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IDENTIFIERS *Environmental Quality

ABSTRACT

The Environmental Quality Instructional Resources Center in Columbus, Ohio, acquires, reviews, indexes, and announces both print (books, modules, units, etc.) and non-print (films, slides, video tapes, etc.) materials related to water quality and water resources education and instruction. In addition some materials related to pesticides, hazardous wastes, and public participation are included. Each entry in the resume section of this document provides, where appropriate: (1) the title; (2) the publication date; (3) the name(s) of the author(s); (4) a set of descriptors assigned to the entry for the purpose of indexing; (5) the number of pages; (6) an abstract describing the entry; and (7) information on the availability of the complete document. Also included in this publication are procedures to illustrate how instructors and curriculum developers in the water quality control field can locate instructional materials which meet general or highly specific requirements of their programs. This publication supplements, but does not replace, supplements 1-33. (CW)

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Prepared by

Environmental Quality Instructional Resources Center
SMEAC Information Reference Center
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Columbus, OH 43212

WATER QUALITY INSTRUCTIONAL RESOURCES INFORMATION SYSTEM (IRIS)

A Compilation of Abstracts to Water Quality and Water Resources Materials

Supplement 34, 1988

U.S. DEPARTMENT OF EDUCATION
Office of Educational Research and Improvement
EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)

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TO THE EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)."

June 1988

SE 050 498

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Preface

This publication contains abstracts and indexes to selected materials related to wastewater treatment and water quality education and instruction. In addition, some materials related to pesticides, hazardous and toxic wastes, solid wastes and public participation are included. Also included are procedures to illustrate how instructors and curriculum developers in the water quality control field can locate instructional materials to meet very general or highly specific requirements in their programs.

Supplements to this publication will be issued periodically.

For further information about these materials contact:

Environmental Quality Instructional Resources Center
1200 Chambers Road, Room 310
Columbus, Ohio 43212

(614) 292-6717

I. General Information about Materials in IRIS

A. What types of materials are included in IRIS?

The Environmental Quality Instructional Resources Center (water) acquires, reviews, indexes, and announces both print (books, modules, units, etc.) and non-print (films, slides, video tapes, etc.) materials related to water quality and water resources education and instruction and other materials.

Materials selected must be available from some source for announcement. When materials are not readily available we attempt to make the materials available through some national information service for easier acquisition. In several cases the Environmental Quality Instructional Resources Center is the source of the materials.

B. How are materials entered into IRIS?

We request that people assist us in locating materials for the system. If you have materials you believe to be useful to others, please send two copies if possible to the:

EQ Instructional Resources Center
1200 Chambers Road, Room 310
Columbus, Ohio 43212

Materials are reviewed by the project staff. Availability of the materials is checked, and the materials are abstracted and indexed. The abstract describes the contents of the material. The index terms (descriptors) are concepts or terms used to describe the contents and the form of the document. (See the Subject Index for a listing of those that have been used.) The index terms are useful for locating materials manually, such as with this compilation, and also by computer.

When items are processed they are entered on the IRIS computer tape. This tape is maintained by the EQ Instructional Resources Center at The Ohio State University and is used for producing tapes for other information systems, publications, and for computer searches conducted at The Ohio State University.

C. How can a user locate materials in IRIS?

1. All materials placed in IRIS (water) collection.

Materials entered into the IRIS (water) collection can be located in two ways: (1) by manual search of this compilation and similar ones to follow and (2) by computer.

The first compilation (1979) contained resumes of selected materials processed for the previous IRIS (water) collection and resumes of selected materials of items added to the IRIS (water) collection.

Quarterly updates of the compilation have been available by subscription on a yearly basis since Novermber, 1979. Information regarding an annual subscription to IRIS (water) Quarterly Compilations can be obtained by writing to the EQ Instructional Resources Center. A subscription to the quarterly supplements for 1988 is $12.00 (within the U.S.). Price to Canada and Mexico is $14.00. Prices in other Countries is $18.00. Separate quarterly supplements are $5.00 each. Supplements can be purchased to keep up-to-date on current publications. In addition a previous compilation for supplements 1-15 is available.

The compilations and the quarterly supplements can be scanned and the subject index can be used for manual searches.

Computer tapes of the IRIS (water) collection can also be searched by computer. The IRIS tapes are available for searching by the EQ/IRC.

EQ/IRC
1200 Chambers Road, Room 310
Columbus, Ohio 43212

2. Materials placed in the Educational Resources Information System (ERIC).

A number of materials processed for the IRIS (water) system are entered into the ERIC system and announced in Resources in Education (RIE). Resources in Education (RIE) is published monthly and is available from:

Superintendent of Documents
U.S. Government Printing Office
Washington, DC 20402

The current price is listed in the most recent issue of RIE. Check if a college or university library close to you has a copy. If they do not, contact the EQ Instructional Resources Center for assistance.

Many libraries subscribe to RIE. Materials announced in RIE can be searched manually each month by scanning RIE or by checking the index terms in the back of each issue. Materials announced in RIE can be searched by computer also.

ERIC Computer tapes may be purchased outright, but most users of the tapes gain access to them through two major database vendors: Dialog and Bibliographic Retrieval Services (BRS). For the addresses of search services in your state that can search these databases, contact the:

EQ Instructional Resources Center
1200 Chambers Road, Room 310
Columbus, Ohio 43212
(614) 292-6717

ERIC materials can also be searched by CD ROM. CD ROM disks are available from three vendors. Contact the EQ/IRC if you desire information on these.

Most of the materials announced in RIE are available on microfiche (microfilm) at over 700 sites throughout the United States and the world. Users can view these materials on site at many locations to identify what they believe will be useful to them at no cost. Microfiche copies (or in most cases Xerox copies) can be ordered through the ERIC Document Reproduction Service. The address and order information is in the back of each issue of RIE. Xerox copies of many items related to water quality and resource education and training can also be ordered through the EQ Instructional Resources Center for $0.06 per page plus $1.00 per document.

For information about location of ERIC microfiche sites in your state, contact the EQ Instructional Resources Center.

II. How to Use the Compilation

A. Description of Information in Resumes

Each resume is listed by EW number in numerical order in the resume section.

Sample Resume

a. IRIS NUMBER: EW006023
b. PUBLICATION DATE: FEB 81
c. TITLE: PROGRAMMED APPROACH TO WATER/MASS ANALYSES.
d. PERSONAL AUTHOR: SPENCE, GEORGE R., JR.
e. DESCRIPTOR: *DESIGN; *ENGINEERING; *EQUIPMENT; *MASS BALANCE; *PROJECT DESIGN; *POLLUTION ENGINEERING; *PIPES; *WATER RESOURCES

f. DESCRIPTIVE NOTE: 30-33P.

g. ABSTRACT: DURING THE ENGINEERING PHASE OF A PROJECT DESIGN, WATER REQUIREMENTS OFTEN CHANGE AS NEW INFORMATION BECOMES AVAILABLE. THIS ARTICLE DETAILS A PROGRAMMED APPROACH TO CALCULATION OF A WATER/MASS BALANCE WHICH PROVIDES THE USER WITH THE ABILITY TO READILY ASSESS THE IMPACT OF VARYING WATER QUALITIES, FLOW PATTERNS, AND FLOW RATES. THIS INFORMATION IS THEN USED IN DETERMINING PIPE AND EQUIPMENT SIZES.

h. AVAILABILITY: POLLUTION ENGINEERING; V13 N2

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a. IRIS NUMBER -- this is the identification number sequentially assigned to materials as they are processed. Gaps in numbers mean that some items have been deleted, are being processed to add new information, or have been delayed in processing for some reason.

b. PUBLICATION DATE -- date material was published according to information on the material.

c. TITLE

d. PERSONAL AUTHOR -- person or persons who wrote, compiled, or edited the material. Up to two personal authors can be listed.

e. DESCRIPTOR -- subject terms which characterize substantive contents and form of the materials. The major terms are preceded by an asterisk. Terms used to index all resumes in this compilation can be reviewed in the Subject Index.

f. DESCRIPTIVE NOTE -- various items of information may be contained in this section. For print materials the number of pages is usually listed. The price of the material quoted is the last time information was received from the source. Please note: Prices of nearly all materials are subject to changes and may not be accurate at the time a person orders a specific item.

g. ABSTRACT -- some early materials entered into IRIS in the 1970's did not have abstract information. All materials currently being entered into IRIS have an informative abstract that describes the contents of the item.

h. AVAILABILITY -- information in this field indicates where the material can be obtained.

B. How to Locate Desired Materials

Users can identify materials of interest by scanning the resume listings, or using the Subject Index or Author Index.

1. Subject Index

The Subject Index is designed to enable the user to search for information on either a broad subject or a narrow information concern. An EW number is included for each item listed under the subject heading. The EW number refers to the abstract entry in the resume section where complete bibliographic information, an abstract of the item, and availability information can be found.

A user can also coordinate a search by checking EW numbers that appear under two or more subject headings. For example, you could check all the EW numbers under Water Treatment and all the EW numbers under Films. EW numbers included under both subject headings would include information relevant to Water Treatment that were films. EW numbers under wastewater treatment and laboratory techniques would provide a list of materials related to Laboratory Techniques and to Wastewater Treatment. Similar techniques could be used to identify other information desired.

Users with ERIC microfiche should check the resume entry. If the document is available on microfiche from the ERIC Document Reproduction Service, the availability will be indicated by "MF" on the resume by "EDRS Price." This means libraries with ERIC microfiche collections should have the document on microfiche.

If you want a document available through the ERIC Document Reproduction Service (EDRS) see the section on ordering documents.

2. Author Index

If you desire to locate a document by the name of the author, you can use the Author Index. EW numbers are provided under the author in the Author Index as in the Subject Index. Some documents do not have a listed author; hence, they are not listed in this index.

III. Correcting an Existing IRIS Record

The IRIS data base will be updated periodically. You can help improve IRIS by sending corrections for items you find to be in error.

We request that you duplicate (copy) the resume from the compilation, mark the information you believe to be wrong (or incomplete), and send the marked resume to:

EQ Instructional Resources Center
1200 Chambers Road, Room 310
Columbus, Ohio 43212
(614) 292-6717

If you have difficulty obtaining materials from the listed source in the AVAILABILITY section of the resume, please let us know. We will contact the sources to verify whether the materials are available, but your assistance will provide corrections between availability checks.

If you are the supplier of materials in IRIS, please let us know if you remove a product from your list, modify a product on your list, or change the price of the product.

IV. Requests to Receive Information about IRIS and the IRC Bulletin

Information regarding IRIS, materials in IRIS, and modifications in the system will be announced in the IRC Bulletin. The Bulletin is produced once a year.

If you need information about IRIS you can also phone (614) 292-6717 with your questions.

V. Requests for Assistance in Using IRIS

If you need help in using the IRIS manuals, phone (614) 292-6717 or write to the Environmental Quality Instructional Resources Center. Staff are normally available from about 8:30 a.m. to 4:30 p.m. Eastern time to answer your questions.

VI. How to Structure a Computer Search of IRIS

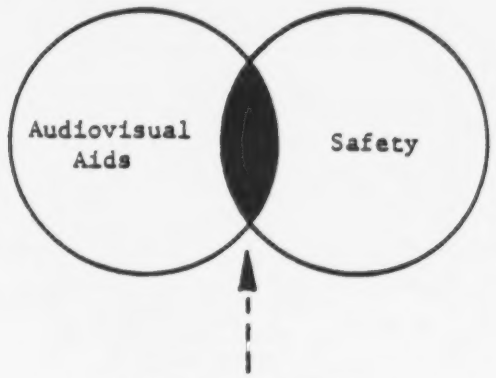
This explanation relates to the IRIS data base that can be searched by the EQ/IRC.

A few notes about the service are important. The following fields are searchable by computer: (1) Authors, (2) Title, and (3) Subject index terms.

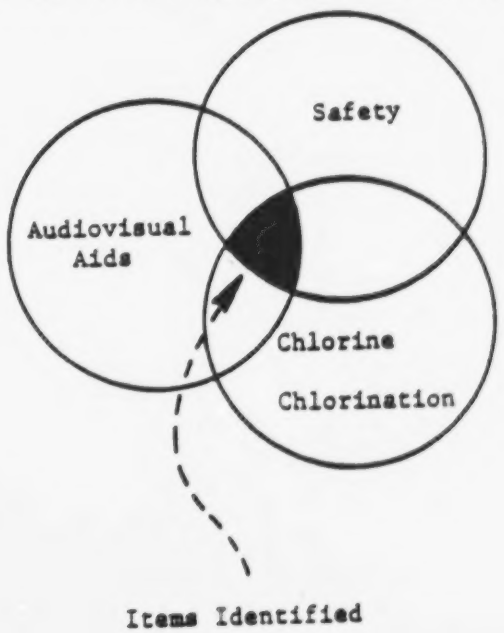
Several sample searches are listed below and on the following pages.

A. Sample 1

If you want to locate audiovisual aids that relate to safety you would submit a search with audiovisual aids and safety. Materials that included the terms both audiovisual aids and safety in the subject index field would be identified by computer.

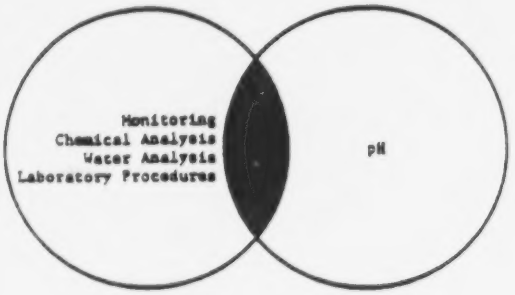


The computer program can tell you the number of items, the title of the items, and the authors. If you were primarily interested in audiovisual aids, safety, and chlorine you would submit a search of these three terms. You might want to include chlorides and chlorination as well as chlorine in the search. This search would identify materials that contained audiovisual aids, safety, and one or more of the words, chlorine and chlorination.



B. Sample 2

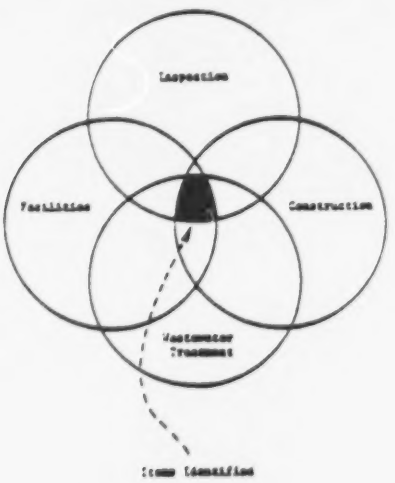
If you want to identify materials related to monitoring, you should include several related terms and the chemical, material, or situation that is being monitored. See the example below.



This search would identify all the items that included any of the terms on the left and pH.

C. Sample 3

If you are interested in materials related to inspection and construction you could conduct a search of these two terms. The search would identify all materials that included both terms. If you were interested in only wastewater treatment facilities you would construct a search as diagrammed.



This search would yield specific materials and demonstrate how a computer search can help you locate materials you want.

The subject index can also be used to help you select words to include in a search. Words listed in the subject index are the subject index that is searched by the computer. Therefore, selecting these terms to use in structuring a search will increase the probability of locating materials. Searches cost a minimum of $25.00 plus $.50 for each entry identified over 50.

VII. How to Order Materials

The AVAILABILITY field in the resume indicates where materials can be obtained. A few of the sources are explained.

A. A number of audiovisual materials can be obtained on a rental basis or purchased from the EO Instructional Resources Center. Most items previously available from the NTOTC office are available from the EQ Instructional Resources Center at The Ohio State Universtiy. For further information write or call.

B. Some of the print materials are available from the EQ/IRC. These can be ordered. Note: Prices are subject to change and will be provided at current prices.

C. The EQ Instructional Resources Center will provide Xerox copies of materials that are not copyrighted for $1.00 per document plus $0.06 per page.

If you can not obtain materials that are listed or have difficulty obtaining materials, please contact the EQ Instructional Resources Center. We can provide assistance in obtaining materials from some sources. If materials become unavailable, we will remove them from the IRIS data base.

RESUME SECTION

IRIS ACCESSION NUMBER: EW015298

PUBLICATION DATE: 83

TITLE: WASTEWATER TREATMENT TECHNICIAN. VOCATIONAL COMPETENCY MEASURES. (INSTRUCTOR PACKET).

DESCRIPTOR: *COMPETENCY TESTS; *EXAMINER MANUALS; *PERFORMANCE TESTS; *OPERATOR TRAINING; *TESTING; *TESTS; *WASTEWATER TREATMENT; *WASTEWATER TREATMENT TECHNICIANS

DESCRIPTIVE NOTE: PACKET PRICE: $9.50 STOCK NO.- S-63WW

ABSTRACT: THIS PACKET CONTAINS: (1) WORK HABITS INVENTORY; (2) PERFORMANCE TESTS; (3) EXAMINERS MANUALS; (4) JOB INFORMATION; AND (5) JOB TESTS. THE PURPOSES OF THE PACKAGE ARE TO ASSESS AND IMPROVE THE COMPETENCIES OF THEIR VOCATIONAL EDUCATION STUDENTS, IDENTIFY PROGRAM AREAS FOR FURTHER IMPROVEMENT, AND INFORM EMPLOYERS OF SKILLS OF STUDENTS. THE WASTEWATER TREATMENT TECHNICIAN TEST PACKAGE IS INTENDED FOR PERSONS COMPLETING VOCATIONAL PROGRAMS IN WASTEWATER TREATMENT AND PREPARING FOR WORK AS TECHNICIANS.

AVAILABILITY: AMERICAN ASSOC. FOR VOCATIONAL INSTRUCTIONAL MATERIALS, 120 DRIFTMIER ENGINEERING CENTER, ATHENS, GA 30602

IRIS ACCESSION NUMBER: EW015299

PUBLICATION DATE: 83

TITLE: WATER TREATMENT TECHNICIAN. VOCATIONAL COMPETENCY MEASURES.

DESCRIPTOR: *COMPETENCY TESTS; *EXAMINER MANUALS; *PERFORMANCE TESTS; *OPERATOR TRAINING; *TESTING; *TESTS; *WATER TREATMENT; *WATER TREATMENT TECHNICIANS

DESCRIPTIVE NOTE: PACKET PRICE: $9.00 STOCK NO.: S-62WT

ABSTRACT: THIS PACKET CONTAINS: (1) WORK HABITS INVENTORY; (2) PERFORMANCE TESTS; (3) EXAMINERS MANUALS; (4) JOB INFORMATION; AND (5) JOB TESTS. THE PURPOSES OF THE PACKAGE ARE TO ASSESS AND IMPROVE THE COMPETENCIES OF THEIR VOCATIONAL EDUCATION STUDENTS, IDENTIFY PROGRAM AREAS FOR FURTHER IMPROVEMENT, AND INFORM EMPLOYERS OF SKILLS OF STUDENTS. THE WATER TREATMENT TECHNICIAN TEST PACKAGE IS INTENDED FOR PERSONS COMPLETING VOCATIONAL PROGRAMS IN WATER TREATMENT AND PREPARING FOR WORK AS TECHNICIANS.

AVAILABILITY: AMERICAN ASSOC. FOR VOCATIONAL INSTRUCTIONAL MATERIALS, 120 DRIFTMIER ENGINEERING CENTER, ATHENS, GA 30602

IRIS ACCESSION NUMBER: EW015314

PUBLICATION DATE: SEP 87

TITLE: STATE REVOLVING FUND (SRF) SIMULATION MODEL USER MANUAL (VERSION 2). REVISED EDITION.

DESCRIPTOR: *COMPUTER ASSISTED PLANNING; *FINANCIAL PLANNING; *FINANCIAL ASSISTANCE; *GUIDES; *PLANNING; *CONSTRUCTION; *SIMULATIONS; *STATE REVOLVING FUNDS; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 76P. PRICE: $5.56

ABSTRACT: THIS USER GUIDE CONTAINS MINOR REVISIONS TO THE PACKAGE RELEASED IN MAY, 1987. IT DOES NOT INTRODUCE NEW CONCEPTS NOR DOES IT CONTAIN SIGNIFICANT CHANGES IN THE PROGRAMS. KEY CHANGES IN THE PACKAGE ARE LISTED IN THE DOCUMENT. THE MANUAL IS DESIGNED TO BE USED WITH A SOFTWARE PACKAGE THAT SIMULATES THE OPERATION OF A STATE REVOLVING FUND. IT CAN ALSO BE USED TO MODEL OTHER KINDS OF FINANCIAL ASSISTANCE PROGRAMS SUCH AS BOND POOLS AND BOND BANKS. THE MANUAL EXPLAINS HOW TO USE THE MODEL AND PROVIDES INSTRUCTIONS FOR USING THE SRF SOFTWARE.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CTR, 1200 CHAMBERS RD., RM. 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW015368

PUBLICATION DATE: M/JN 88

TITLE: JUNIOR, TAKE OUT THE RECYCLABLES.

PERSONAL AUTHOR: GLENN, JIM

DESCRIPTOR: *COMMUNITY PROGRAMS; *PROGRAM DESCRIPTIONS; *RECYCLING; *RECYCLING PROGRAMS; *RESOURCE RECOVERY; *SOLID WASTES; *WASTE COLLECTION; *WASTE DISPOSAL; *WASTE REDUCTION

DESCRIPTIVE NOTE: 26-31P.

ABSTRACT: DESCRIBED ARE RECYCLING PROGRAMS AND THE TYPES OF MATERIALS RECYCLED BY SEVERAL COMMUNITIES. INFORMATION INCLUDES THE NUMBER OF STOPS PER WEEK, TONS OF MATERIALS COLLECTED PER YEAR, PERCENT OF MATERIAL COLLECTED, COLLECTION PROGRAMS, AND COLLECTION CHARACTERISTICS.

AVAILABILITY: BIOCYCLE; V29 N5

IRIS ACCESSION NUMBER: EW015369

PUBLICATION DATE: M/JN 88

TITLE: COMMUNITY RECYCLING- WHAT IS WORKING BEST?

PERSONAL AUTHOR: PETERS, ANNE; GROGAN, PETE

DESCRIPTOR: *COMMUNITY PROGRAMS; *PROGRAM DESCRIPTIONS; *PERFORMANCE EVALUATION; *RECYCLING PROGRAMS; *RESOURCE RECOVERY; *SOLID WASTES; *WASTE COLLECTION; *WASTE DISPOSAL; *WASTE REDUCTION

DESCRIPTIVE NOTE: 32-36P.

ABSTRACT: DESCRIBED ARE THE RESULTS OF A SURVEY OF OVER 20 DIFFERENT COMMUNITY RECYCLING PROGRAMS TO IDENTIFY SOME OF

THE MOST EFFECTIVE AND INNOVATIVE METHODS OF ESTABLISHING AND MAINTAINING PROGRAMS. CHARACTERISTICS OF THE PROGRAMS ARE DESCRIBED AND EFFECTIVE STRATEGIES ARE IDENTIFIED.

AVAILABILITY: BIOCYCLE; V29 N5

IRIS ACCESSION NUMBER: EW015370

PUBLICATION DATE: M/JN 88

TITLE: COST ANALYSIS OF CURBSIDE PROGRAMS.

PERSONAL AUTHOR: STEVENS, BARBARA J.

DESCRIPTOR: *COMMUNITY PROGRAMS; *COSTS; *CURBSIDE SERVICE; *RECYCLING PROGRAMS; *RESOURCE RECOVERY; *SOLID WASTES; *WASTE COLLECTION; *WASTE PROCESSING

DESCRIPTIVE NOTE: 37-38P.

ABSTRACT: THIS REPORT CONSIDERS OPTIONS FOR HOUSEHOLD RECYCLING PROGRAMS AND CURBSIDE RECYCLING SERVICES AND DESCRIBES HOW COSTS OF THESE RECYCLING PROGRAMS CAN BE PREDICTED.

AVAILABILITY: BIOCYCLE; V29 N5

IRIS ACCESSION NUMBER: EW015371

PUBLICATION DATE: M/JN 88

TITLE: MARKETING STRATEGY FOR SLUDGE COMPOST.

DESCRIPTOR: *COMPOSTING; *COSTS; *MARKETING; *RECYCLING; *RESOURCE RECOVERY; SLUDGE; *SLUDGE COMPOST; *VIRGINIA; WASTEWATER TREATMENT; *WASTE DISPOSAL; *WASTE REDUCTION

DESCRIPTIVE NOTE: 42-43P.

ABSTRACT: DESCRIBED IS A MARKETING PROGRAM OF A VIRGINIA SLUDGE COMPOSTING FACILITY THAT RESULTED IN A DEMAND THAT EXCEEDED SUPPLY. CHARACTERISTICS ARE DESCRIBED AND VARIABLES RELATED TO SUCCESS ARE IDENTIFIED.

AVAILABILITY: BIOCYCLE; V29 N5

IRIS ACCESSION NUMBER: EW015372

PUBLICATION DATE: M/JN 88

TITLE: DETERMINING PATHOGEN LEVELS IN SLUDGE PRODUCTS.

PERSONAL AUTHOR: GOLDSTEIN, NORA; AND OTHERS

DESCRIPTOR: *COMPOST; *DRIED SLUDGE; *PATHOGENS; *MICROORGANISMS; *SLUDGE; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 44-47P.

ABSTRACT: REPORTED ARE THE RESULTS OF A STUDY THAT ANALYZED SAMPLES OF COMPOSTS AND DRIED SLUDGE PRODUCTS FROM 26 LOCATIONS OVER A PERIOD OF A YEAR TO DETERMINE PATHOGEN LEVELS. INDICATOR ORGANISMS WERE FOUND IN ALL SAMPLES.

AVAILABILITY: BIOCYCLE; V29 N5

IRIS ACCESSION NUMBER: EW015373

PUBLICATION DATE: M/JN 88

TITLE: COMPOSTING INDUSTRIAL WASTES SOLVES DISPOSAL PROBLEMS.

PERSONAL AUTHOR: LOGSDON, GENE

DESCRIPTOR: *COMPOSTING; *INDUSTRIAL WASTES; *ORGANIC WASTES; *RESOURCE RECOVERY; *SOLID WASTES; *WASTE DISPOSAL; *WASTE REDUCTION

DESCRIPTIVE NOTE: 48-50, 52P.

ABSTRACT: REPORTED ARE RESULTS OF EFFORTS TO COMPOST SEVERAL TYPES OF INDUSTRIAL WASTES INCLUDING FISH WASTES, WOOLEN MILL WASTES, CORN PROCESSING WASTES, AND PAPERMILL SLUDGE.

AVAILABILITY: BIOCYCLE; V29 N5

IRIS ACCESSION NUMBER: EW015374

PUBLICATION DATE: M/JN 88

TITLE: ON-FARM COMPOSTING OF LAKE WEEDS.

PERSONAL AUTHOR: SPENCER, BOB

DESCRIPTOR: AGRICULTURE; FERTILIZER; *COMPOSTING; *COSTS; *LAKE WEEDS; LAKES; *MASSACHUSETTS; RESOURCE RECOVERY; *SOLID WASTES; *WEEDS; *WASTE DISPOSAL; *WASTE REDUCTION

DESCRIPTIVE NOTE: 54-55P.

ABSTRACT: DESCRIBED IS A PROGRAM TO COMPOST LAKE WEEDS ON A FARM IN MASSACHUSETTS.

AVAILABILITY: BIOCYCLE; V29 N5

IRIS ACCESSION NUMBER: EW015419

PUBLICATION DATE: JL-AG 88

TITLE: THE EFFECTS OF HOME WATER SOFTENERS: ADDED SODIUM MAY BE HAZARDOUS TO YOUR HEALTH.

PERSONAL AUTHOR: DAS, GOPAL; FERRIS, JANINE

DESCRIPTOR: *DRINKING WATER; *CONTAMINATION; *NORTH DAKOTA;

*PUBLIC HEALTH; *SODIUM; *WATER SOFTENERS; *HARD WATER; *WATER TREATMENT; *HOME TREATMENT; *WATER POLLUTION

DESCRIPTIVE NOTE: P398-399P.

ABSTRACT: THE QUALITY OF 320 PUBLIC WATER SOURCES IN NORTH DAKOTA WAS ANALYZED. THE EFFECT ON THE SODIUM CONTENT OF WATER TREATED BY WATER SOFTENERS WAS STUDIED AND ANALYZED. DATA INDICATED SODIUM IN THE WATER INCREASED GREATLY AND NONE MET AHA RECOMMENDATIONS, WHILE 73 PERCENT OF THE SUPPLIES CONTAINED MORE SODIUM THAN IS ADVISED FOR HEALTHY INDIVIDUALS.

AVAILABILITY: JOURNAL OF ENVIRONMENTAL HEALTH; V50 N7

IRIS ACCESSION NUMBER: EW015420

PUBLICATION DATE: AUG 88

TITLE: WATERBORNE DISEASE OUTBREAKS- 1946-1980 A THIRTY-FIVE-YEAR PERSPECTIVE.

PERSONAL AUTHOR: LIPPY, EDWIN C.; WALTRIP, STEVEN C.

DESCRIPTOR: *DRINKING WATER; *DISEASES; *OPERATIONS (WATER); *PUBLIC HEALTH; *GROUNDWATER; *SURFACE WATER; *WATER QUALITY; *WATER RESOURCES; *WATER SUPPLY; *WATER DISTRIBUTION; *WATER TREATMENT

DESCRIPTIVE NOTE: 4-5, 10P.

ABSTRACT: WATERBORNE DISEASE OUTBREAKS DURING THE PERIOD OF 1946-1980 WERE ANALYZED. USE OF UNTREATED CONTAMINATED GROUNDWATER AND POOR PRACTICES IN TREATMENT AND DISTRIBUTION OF WATER ACCOUNTED FOR MORE THAN 80 PERCENT OF THE OUTBREAKS. PROBLEMS RELATED TO OUTBREAKS IN COMMUNITY SYSTEMS AND NONCOMMUNITY SYSTEMS ARE DISCUSSED. SOME POSSIBLE SOLUTIONS ARE CONSIDERED.

AVAILABILITY: BACKFLOW PREVENTION; V5 N8

IRIS ACCESSION NUMBER: EW015421

PUBLICATION DATE: AUG 88

TITLE: OPTIMUM SYSTEM FOR ODOR CONTROL.

PERSONAL AUTHOR: CANZANO, PASQUALE S.; AIANI, KENNETH J.

DESCRIPTOR: *COMPOSTING; *FACILITIES; *ODOR CONTROL; *OPERATIONS (WASTEWATER); *DELAWARE; *PERFORMANCE EVALUATION; *TECHNOLOGY; *CO-COMPOSTING; *SOLID WASTES; *WASTE DISPOSAL; *WASTE TREATMENT

DESCRIPTIVE NOTE: 40-44P.

ABSTRACT: DESCRIBED IS AN ODOR CONTROL SYSTEM FOR A SLUDGE / SOLID WASTE DISPOSAL CO-COMPOSTING FACILITY IN DELAWARE. THE FACILITY ACHIEVES A 98 PERCENT REDUCTION IN DISCHARGE ODORS.

AVAILABILITY: BIOCYCLE; V29 N7

IRIS ACCESSION NUMBER: EW015422

PUBLICATION DATE: AUG 88

TITLE: MANAGING HOUSEHOLD HAZARDOUS WASTES.

PERSONAL AUTHOR: ROBERTS, RICHARD L.; AND OTHERS

DESCRIPTOR: *CALIFORNIA; *COSTS; *HOUSEHOLD WASTES; *HAZARDOUS WASTES; *PERFORMANCE EVALUATION; *POLLUTION CONTROL; *PUBLIC HEALTH; *WASTE COLLECTION; *WASTE DISPOSAL; *PROGRAM DESCRIPTIONS

DESCRIPTIVE NOTE: 45-47P.

ABSTRACT: DESCRIBED IS A PROGRAM FOR SAN BERNARDINO COUNTY (CALIFORNIA) DESIGNED TO DIVERT THOUSANDS OF GALLONS OF HOUSEHOLD HAZARDOUS WASTE ANNUALLY. THE PROGRAM HAS BEEN OPERATED IN A SAFE, EFFICIENT, AND COST-EFFECTIVE MANNER.

AVAILABILITY: BIOCYCLE; V29 N7

IRIS ACCESSION NUMBER: EW015423

PUBLICATION DATE: AUG 88

TITLE: ENCOURAGING YARD WASTE UTILIZATION.

PERSONAL AUTHOR: GLENN, JIM

DESCRIPTOR: *BIOLOGICAL WASTES; *COMMUNITY PROGRAMS; *PROGRAM DESCRIPTIONS *REGULATIONS; *RECYCLING; *SOLID WASTES; *WASTE COLLECTION; *WASTE REDUCTION; *YARD WASTES

DESCRIPTIVE NOTE: 49-52P.

ABSTRACT: DESCRIBED ARE A VARIETY OF COMMUNITY PROGRAMS TO COLLECT AND PROCESS YARD WASTES.

AVAILABILITY: BIOCYCLE; V29 N7

IRIS ACCESSION NUMBER: EW015424

PUBLICATION DATE: AUG 88

TITLE: SOLIDIFIERS FOR HAZARDOUS WASTE DISPOSAL.

PERSONAL AUTHOR: SELL, NANCY J.

DESCRIPTOR: *HAZARDOUS WASTES; *PUBLIC HEALTH; *POLLUTION CONTROL; *REGULATIONS; *USEPA; *WASTE DISPOSAL; *WASTE SOLIDIFIERS; *SOLIDIFICATION PROCESSES; *WASTE TREATMENT

DESCRIPTIVE NOTE: 44-49P.

ABSTRACT: THIS ARTICLE CONTAINS A DESCRIPTION OF CURRENT

AND SOME PROBABLE REGULATIONS GOVERNING HAZARDOUS WASTE DISPOSAL AS THEY APPLY TO SOLIDIFIERS, THE CHEMICAL/PHYSICAL PRINCIPLES DETERMINING THEIR BEHAVIOR, AND A DESCRIPTION OF SOME OF THE PRODUCTS ON THE MARKET.

AVAILABILITY: POLLUTION ENGINEERING; V20 N8

IRIS ACCESSION NUMBER: EW015425

PUBLICATION DATE: AUG 88

TITLE: THERMAL TREATMENT TECHNOLOGIES FOR HAZARDOUS WASTES.

PERSONAL AUTHOR: CHEREMISINOFF, PAUL N.

DESCRIPTOR: *HAZARDOUS WASTES; *ENVIRONMENTAL CONTROLS; *POLLUTION CONTROL; *TECHNOLOGIES; *THERMAL TREATMENT; *WASTE TREATMENT

DESCRIPTIVE NOTE: 50-55P.

ABSTRACT: BRIEFLY DESCRIBED ARE A VARIETY OF THERMAL TREATMENT TECHNOLOGIES FOR HAZARDOUS WASTES.

AVAILABILITY: POLLUTION ENGINEERING; V20 N8

IRIS ACCESSION NUMBER: EW015426

PUBLICATION DATE: AU

TITLE: DIFFUSE (NONPOINT) POLLUTION - A POLITICAL, INSTITUTIONAL, AND FISCAL PROBLEM.

PERSONAL AUTHOR: NOVOTNY, VLADIMIR

DESCRIPTOR: *ECONOMICS; *COMPLIANCE; *NONPOINT POLLUTION; *POLLUTION CONTROL; *PLANNING; *REGULATIONS; *WATER QUALITY; *WATER POLLUTION CONTROL

DESCRIPTIVE NOTE: 1404-1413P.

ABSTRACT: DIFFUSE (NONPOINT) POLLUTION IS DEFINED AND DESCRIBED. POLITICAL, INSTITUTIONAL, AND FISCAL PROBLEMS ARE CONSIDERED. A BIBLIOGRAPHY IS INCLUDED.

AVAILABILITY: WATER POLLUTION CONTROL FEDERATION JOURNAL V60 N8

IRIS ACCESSION NUMBER: EW015427

PUBLICATION DATE: AUG 88

TITLE: COPING WITH GROUNDWATER CONTAMINATION.

PERSONAL AUTHOR: BOUWER, EDWARD; AND OTHERS

DESCRIPTOR: *CONTAMINATION; *GROUNDWATER; *PERFORMANCE EVALUATION; *SITE ANALYSIS; *TECHNOLOGY; *WATER TREATMENT; *WATER POLLUTION CONTROL; *WATER QUALITY

DESCRIPTIVE NOTE: 1415-1427P.

ABSTRACT: THIS ARTICLE EXTENDS TWO PREVIOUS ARTICLES THAT APPEARED IN THE WPCF JOURNAL RELATED TO GROUNDWATER. THIS ARTICLE PROVIDES AN OVERVIEW OF STRATEGIES ASSOCIATED WITH TWO DISTINCT ASPECTS OF THE GROUNDWATER CONTAMINATION PROBLEM-SITE CHARACTERIZATION AND APPROPRIATE TREATMENT STRATEGIES. A DETAILED BIBLIOGRAPHY IS INCLUDED.

AVAILABILITY: WATER POLLUTION CONTROL FEDERATION JOURNAL; V60 N8

IRIS ACCESSION NUMBER: EW015428

PUBLICATION DATE: AUG 88

TITLE: QUALITY CONTROL APPROACH TO NPDES COMPLIANCE DETERMINATION.

PERSONAL AUTHOR: SCHAEFFER, DAVID J.; KERSTER, HAROLD W.

DESCRIPTOR: *ANALYTICAL TECHNIQUES; *COMPLIANCE; *EFFLUENT; *EFFLUENT STANDARDS; *SAMPLING; *MONITORING; *WASTEWATER TREATMENT; *WATER QUALITY

DESCRIPTIVE NOTE: 1436-1438P.

ABSTRACT: PROVIDED IS A QUALITY ASSURANCE PROCEDURE THAT PROVIDES A RATIONAL, RATHER THAN ARBITRARY, BASIS FOR REVIEWING NONCOMPLIANCE EVENTS. THE PROCEDURE IS DESIGNED TO MAINTAIN QUALITY CONTROL OF WASTEWATER EFFLUENTS.

AVAILABILITY: WATER POLLUTION CONTROL FEDERATION JOURNAL; V60 N8

IRIS ACCESSION NUMBER: EW015429

PUBLICATION DATE: AUG 88

TITLE: SEQUENTIAL WET AIR REGENERATION OF PAC FROM THE POWDERED CARBON-ACTIVATED SLUDGE PROCESS.

PERSONAL AUTHOR: RECKTENWALT, M. A.; AND OTHERS

DESCRIPTOR: *ACTIVATED SLUDGE PROCESS; *ACTIVATED CARBON; *PERFORMANCE EVALUATION; *POWDERED ACTIVATED CARBON; *WASTEWATER TREATMENT; *WET AIR REGENERATION; *OPERATIONS (WASTEWATER)

DESCRIPTIVE NOTE: 1439-1444P.

ABSTRACT: THE EFFECTS OF SUCCESSIVE REGENERATION OF POWDERED ACTIVATED CARBON (PAC) WAS STUDIED UNDER CONTROLLED CONDITIONS THAT SIMULATED FULL-SCALE OPERATION OF WET AIR REGENERATION IN THE POWDERED CARBON ACTIVATED SLUDGE PROCESS. RESULTS ARE REPORTED.

AVAILABILITY: WATER POLLUTION CONTROL FEDERATION JOURNAL;

V60 N8

IRIS ACCESSION NUMBER: EW015430

PUBLICATION DATE: AUG 88

TITLE: BIOSORPTION OF ORGANIC HALIDE IN A KRAFT MILL GENERATED LAGOON.

PERSONAL AUTHOR: AMY, GARY L.; AND OTHERS

DESCRIPTOR: *BIOSORPTION; *HALIDES; *INDUSTRIAL WASTES; *KRAFT MILLS; *PAPER INDUSTRY; *RESEARCH REPORTS; *WASTEWATER TREATMENT; *OPERATIONS (WASTEWATER)

DESCRIPTIVE NOTE: 1445-1453P.

ABSTRACT: REPORTED IS RESEARCH THAT EXAMINED THE ROLE OF BIOSORPTION ON THE REMOVAL OF ORGANIC HALIDE BY AN AERATED LAGOON. RESULTS OF THE RESEARCH ARE REPORTED.

AVAILABILITY: WATER POLLUTION CONTROL FEDERATION JOURNAL; V60 N8

IRIS ACCESSION NUMBER: EW015431

PUBLICATION DATE: AUG 88

TITLE: MCRT FOR CONTROL OF COKEMAKING WASTEWATER TREATMENT.

PERSONAL AUTHOR: BENGSTON, HARLAN H.; CANNON, CARL F.

DESCRIPTOR: *ACTIVATED SLUDGE; *COKE; *INDUSTRIAL WASTES; *MEAN CELL RESIDENCE TIME; *OPERATIONS (WASTEWATER); *PERFORMANCE EVALUATION; *PROCESS CONTROL; *WASTEWATER TREATMENT; *SUSPENDED SOLIDS

DESCRIPTIVE NOTE: 1454-1456P.

ABSTRACT: REPORTED ARE THE RESULTS OF MONITORING AN EXTENDED AERATION, ACTIVATED SLUDGE PROCESS FOR COKEMAKING WASTEWATER. THE STUDY SHOWED THAT MEAN CELL RESIDENCE TIME (MCRT) WAS MORE SUITABLE AS A CONTROL PARAMETER THAN FOOD/MICROORGANISM RATIO (F/M) FOR MINIMIZING EFFLUENT SUSPENDED SOLIDS (SS) DISCHARGE.

AVAILABILITY: WATER POLLUTION CONTROL FEDERATION JOURNAL; V60 N8

IRIS ACCESSION NUMBER: EW015433

PUBLICATION DATE: 88

TITLE: AGRICULTURAL CHEMICALS IN GROUNDWATER.

DESCRIPTOR: *AGRICULTURE; *CHEMICALS; *CONFERENCE PROCEEDINGS; *GROUNDWATER; *POLICIES; *PLANNING; *WATER QUALITY; *WATER POLLUTION CONTROL; *WATER RESOURCES

DESCRIPTIVE NOTE: 235P. PRICE: $35.00

ABSTRACT: THIS PUBLICATION IS THE PROCEEDINGS OF A CONFERENCE ON AGRICULTURAL CHEMICALS AND GROUNDWATER PROTECTION: EMERGING MANAGEMENT AND POLICY. INCLUDED ARE A VARIETY OF PAPERS RELATED TO THE TOPIC. RECOMMENDATIONS FROM THE CONFERENCE WERE PUBLISHED SEPARATELY.

AVAILABILITY: FRESHWATER FOUNDATION, 2500 SHADYWOOD RD., BOX 90, NAVARRE, MN 55392

IRIS ACCESSION NUMBER: EW015434

PUBLICATION DATE: 88

TITLE: VALVE MAINTENANCE SOFTWARE.

DESCRIPTOR: *COMPUTER APPLICATIONS; *COMPUTER SOFTWARE; *EQUIPMENT; *MAINTENANCE; *MANAGEMENT; *OPERATIONS (WATER); *RECORDKEEPING; *VALVES; *WATER DISTRIBUTION

DESCRIPTIVE NOTE: $395.00

ABSTRACT: THIS SOFTWARE COMES WITH AN INSTRUCTION MANUAL TO HELP USERS USE THE MATERIALS. THE PROGRAM MAKES IT RELATIVELY EASY TO MAINTAIN A REGULAR VALVE MAINTENANCE PROGRAM BY AUTOMATING VALVE MAINTENANCE RECORD KEEPING. USERS NEED AN IBM PC, AT, XT OR COMPATIBLE COMPUTER.

AVAILABILITY: AMERICAN WATER WORKS ASSOCIATION, CUSTOMER SERVICE DEPT., 6666 WEST QUINCY AVE., DENVER, CO 80235

IRIS ACCESSION NUMBER: EW015435

PUBLICATION DATE: 88

TITLE: WATER RESOURCES AUDIT NOTEBOOK.

DESCRIPTOR: *AUDITS; *DATABASES; *NEEDS ASSESSMENT; *MANAGEMENT; *PLANNING; *OPERATIONS (WATER); *WATER DEMAND; *WATER DISTRIBUTION; *WATER RESOURCES; *WATER SUPPLY; *WATER TREATMENT; *WATER SYSTEMS

DESCRIPTIVE NOTE: NONMEMBER: $37.00 MEMBER: $29.50

ABSTRACT: THIS MATERIAL PROVIDES A GUIDE FOR SMALLER COMMUNITIES TO BETTER UNDERSTAND THE COMPONENTS AND OPERATIONS OF THEIR WATER SYSTEM. THE PROGRAM INCLUDES WORKSHEETS THAT ADDRESS 149 DIFFERENT WATER SYSTEM TOPICS. THE AUDIT CAN REVEAL PROBLEM AREAS REQUIRING IMMEDIATE ACTION AND IDENTIFY FUTURE CONCERNS.

AVAILABILITY: AMERICAN WATER WORKS ASSOCIATION, CUSTOMER SERVICES DEPT., 6666 WEST QUINCY AVE., DENVER, CO 80235

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IRIS ACCESSION NUMBER: EW015436

PUBLICATION DATE: 86

TITLE: NEW DIMENSIONS IN SAFE DRINKING WATER. SECOND EDITION.

DESCRIPTOR: *COMPLIANCE; *DRINKING WATER; *OPERATIONS (WATER); *REGULATIONS; *SAFE DRINKING WATER ACT; *WATER QUALITY; *WATER POLLUTION CONTROL; *WATER TREATMENT

DESCRIPTIVE NOTE: 100P. NONMEMBER: $22.00 MEMBER: $17.50

ABSTRACT: THIS IS AN UPDATED OVERVIEW OF THE 1986 SAFE DRINKING WATER ACT AMENDMENTS. INCLUDED ARE THE ORIGINAL 1974 REGULATIONS WITH COMPLETE COVERAGE OF THE 1986 AMENDMENTS. IT CONTAINS NEWLY RELEASED INFORMATION ON THE MAXIMUM CONTAMINANT LEVELS FOR MICROBIOLOGICAL CONTAMINANTS, RADIONUCLIDES, AND ORGANIC AND INORGANIC CONTAMINANTS. SUGGESTIONS FOR GETTING A SYSTEM IN COMPLIANCE ARE INCLUDED.

AVAILABILITY: AMERICAN WATER WORKS ASSOCIATION, CUSTOMER SERVICES DEPT., 6666 WEST QUINCY AVE., DENVER, CO 80235

IRIS ACCESSION NUMBER: EW015437

PUBLICATION DATE: 88

TITLE: PIPE AND MATERIAL HANDLING.

DESCRIPTOR: *AUDIOVISUAL AIDS; DRINKING WATER; *OCCUPATIONAL SAFETY; *INSTRUCTIONAL MATERIALS; MATERIALS HANDLING; OPERATIONS (WATER); *PIPES; *SAFETY; WATER DISTRIBUTION

DESCRIPTIVE NOTE: NONMEMBER: $99.00 MEMBER: $79.00

ABSTRACT: THIS IS A SAFETY PROGRAM FOR PIPE AND MATERIAL STORAGE, TRANSPORT, AND HANDLING. INCLUDED ARE THREE PROGRAM PLANNING GUIDES, SCRIPT, PRETEST QUESTIONS, HANDOUTS, AND INSTRUCTIONS AND SUGGESTIONS.

AVAILABILITY: AMERICAN WATER WORKS ASSOCIATION, CUSTOMER SERVICES DEPT., 6666 WEST QUINCY AVE., DENVER, CO 80235

IRIS ACCESSION NUMBER: EW015438

PUBLICATION DATE: 88

TITLE: AWWA STANDARDS, SETS.

DESCRIPTOR: *EQUIPMENT; *MATERIALS; *TECHNOLOGY; *STANDARDS; *WATER TREATMENT; *WATERWORKS; *WATER DISTRIBUTION; *WATER SUPPLY

DESCRIPTIVE NOTE: NONMEMBERS: $349.00 MEMBERS: $279.00

ABSTRACT: THESE STANDARDS GUIDE THE DESIGN, MANUFACTURE, PURCHASE, AND INSTALLATION OF ALMOST ALL WATER-RELATED PRODUCTS. THE STANDARDS COVER NOT ONLY WATERWORKS PRODUCTS, BUT WATER PRODUCTION PROCEDURES AS WELL.

AVAILABILITY: AMERICAN WATER WORKS ASSOCIATION, CUSTOMER SERVICES DEPT., 6666 WEST QUINCY AVE., DENVER, CO 80235

IRIS ACCESSION NUMBER: EW015439

PUBLICATION DATE: 87

TITLE: DISINFECTANT RESIDUAL MEASUREMENT METHODS.

DESCRIPTOR: *DISINFECTION; *CHLORINE; *LABORATORY PROCEDURES; *MEASUREMENT; *MONITORING; *OPERATIONS (WATER); *RESIDUAL CHLORINE; *WATER TREATMENT

DESCRIPTIVE NOTE: 816P. NONMEMBERS: $32.00 MEMBERS: $25.50

ABSTRACT: THIS REPORT REVIEWS AN SUMMARIZES ALL OF THE DISINFECTANT RESIDUAL MEASUREMENT METHODS AVAILABLE FOR FREE CHLORINE, COMBINED CHLORINE, CHLORITE ION, CHLORINE DIOXIDE, CHLORATE ION, AND OZONE. SUGGESTIONS ARE OFFERED TO ASSIST UTILITIES IN SELECTING RESIDUAL MONITORING TECHNIQUES. INTERFERENCES AFFECTING THE DISINFECTANT MEASUREMENT PROCESS ARE STRESSED.

AVAILABILITY: AMERICAN WATER WORKS ASSOCIATION, CUSTOMER SERVICES DEPT., 6666 WEST QUINCY AVE., DENVER, CO 80235

IRIS ACCESSION NUMBER: EW015440

PUBLICATION DATE: 83

TITLE: HYDROLOGY IN PRACTICE, SECOND EDITION.

PERSONAL AUTHOR: SHAW, ELIZABETH M.

DESCRIPTOR: *ENGINEERING; *HANDBOOKS; *HYDROLOGY; *CASE STUDIES; *GROUNDWATER; *FLOODS; *FORECASTING

DESCRIPTIVE NOTE: 624P. $38.95 PLUS LOCAL SALES TAX

ABSTRACT: THIS GUIDE OFFERS ADVICE ON A VARIETY OF METHODS FOR SOLVING HYDROLOGICAL ENGINEERING PROBLEMS. INCLUDED ARE DISCUSSIONS RELATED TO GROUNDWATER, FLOOD ROUTING, DESIGN FLOODS, FLOOD WARNING, AND FORECASTING. CASE STUDIES ARE PRESENTED AND A VARIETY OF EXAMPLES ARE INCLUDED.

AVAILABILITY: VAN NOSTRAND REINHOLD, MAIL ORDER DEPT., PO BOX 668, FLORENCE, KY 41022-9979

IRIS ACCESSION NUMBER: EW015441

PUBLICATION DATE: FEB 88

TITLE: WATER PROCESSING FOR HOME FARM AND BUSINESS.

PERSONAL AUTHOR: MCGOWAN, WES

DESCRIPTOR: *BUSINESSES; *FARMS; *HANDBOOKS; *HOMES; *OPERATIONS (WATER); *TECHNOLOGY; *WATER TREATMENT; *WATER QUALITY; *WATER SUPPLY

DESCRIPTIVE NOTE: 92P. $35.00

ABSTRACT: THIS HANDBOOK OFFERS A COMPREHENSIVE LOOK AT WATER PROBLEMS AND THE TECHNOLOGIES THAT CAN BE APPLIED TO SOLVE THEM. THE BOOK IS INTENDED AS A REFERENCE RESOURCE AND A WORKING VOLUME TO BE USED BY WATER QUALITY IMPROVEMENT SPECIALISTS.

AVAILABILITY: WATER QUALITY ASSOCIATION, 4151 NAPERVILLE RD., LISLE, IL 60532

IRIS ACCESSION NUMBER: EW015443

PUBLICATION DATE: 88

TITLE: RISK ASSESSMENT OF HAZARDOUS CHEMICAL SYSTEMS IN DEVELOPING COUNTRIES.

PERSONAL AUTHOR: SMITH, KIRK R.,; AND OTHERS

DESCRIPTOR: *ACCIDENT PREVENTION; *CHEMICALS; *DEVELOPING COUNTRIES; *HAZARDOUS MATERIALS; *PLANNING; *PUBLIC HEALTH; *RISK ASSESSMENT; *SAFETY

DESCRIPTIVE NOTE: 140P. $3.00

ABSTRACT: THE LOWER LIFE EXPECTANCY IN POOR COUNTRIES REFLECTS MYRIAD THREATS TO LIFE AND HEALTH; A THOUGHTFUL PUBLIC HEALTH AGENDA WOULD PUT MANY HAZARDS AHEAD OF TOXIC CHEMICALS. U.S. CONCERNS HAVE SPILLED OVER TO THESE COUNTRIES, HOWEVER, AND THE POTENTIAL FOR CATASTROPHIC PROBLEMS, SUCH AS OCCURRED IN BHOPAL, CANNOT BE IGNORED. AS THIS BOOK SHOWS, PROTECTION NEED NOT BE COSTLY; EVEN CRUDE RISK ASSESSMENTS CAN HELP TO SPOT THE HOVERING DISASTERS AND INDICATE STEPS TO PREVENT THEM.

AVAILABILITY: EAST-WEST CENTER, 1777 EAST-WEST RD., HONOLULU, HI 96822

IRIS ACCESSION NUMBER: EW015444

PUBLICATION DATE: 87

TITLE: SAFETY OF REACTIVE CHEMICALS.

PERSONAL AUTHOR: YOSHIDA, TADAO

DESCRIPTOR: *ACCIDENT PREVENTION; *CHEMICALS; *REACTIVE CHEMICALS; *HAZARDOUS MATERIALS; *MATERIALS HANDLING; *SAFETY; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 418P. $102.25

ABSTRACT: THIS IS A COMPREHENSIVE COVERAGE OF REACTIVE CHEMICALS AND SAFETY PROBLEMS ASSOCIATED WITH THEIR USE. CHAPTER TITLES INCLUDE THE FOLLOWING: (1) FIRE AND EXPLOSION HAZARDS OF REACTIVE CHEMICALS; (2) EVALUATION OF ENERGY HAZARD; (3)CALCULATIONS TO PREDICT HEAT OF REACTION, EXPLOSION, DEFLAGRATION, AND EXOTHERMIC DECOMPOSITION; (4) STANDARD TESTS FOR REACTIVE SUBSTANCES; (5) SCREENING TEST (LOW-COST, LOW-HAZARD PRELIMINARIES); (6) COMPREHENSIVE EVALUATION; (7) ACTIVITIES OF SAFETY ORGANIZATIONS IN DIFFERENT COUNTRIES; (8) EMERGENCY RESPONSE SYSTEMS FOR HAZARDOUS GOODS; AND (9) COUNTERMEASURES IN EARTHQUAKES FOR REACTIVE CHEMICALS. APPENDIX 1 LISTS 301 INORGANIC HEATS OF FORMATION, USEFULLY ORDERED FOR ENGINEERS BY KILOCALORIES PER GRAM, ALONG WITH TRADITIONAL KCAL/MOL VALUES. APPENDIX 2 GIVES MANY RELATED GROUP VALUES IN KCAL/MOL.

AVAILABILITY: ELSEVIER, 52 VANDERBUILT AVE., NEW YORK, NY 10017

IRIS ACCESSION NUMBER: EW015445

PUBLICATION DATE: 86

TITLE: HAZARDS IN THE CHEMICAL LABORATORY, FOURTH EDITION.

PERSONAL AUTHOR: BRETHERICK, L.

DESCRIPTOR: *CHEMICAL HAZARDS; *CHEMICALS; *HAZARDS; *LABORATORY SAFETY; *LABORATORY PROCEDURES; *REGULATIONS; *SAFETY; *TOXIC SUBSTANCES; *UNITED STATES; *UNITED KINGDOM

DESCRIPTIVE NOTE: 617P. $54.00

ABSTRACT: THIS IS AN UPDATE OF A PREVIOUS PUBLICATION. THE NUMBER OF HAZARDOUS CHEMICALS CONSIDERED HAS BEEN INCREASED FROM 480 TO 490. NEW MATERIAL ON TECHNICAL AND STATUTORY CHANGES THAT HAVE TAKEN PLACE IN THE PAST FIVE YEARS HAVE ALSO BEEN INCLUDED. A NEW CHAPTER COMPARING LEGISLATION IN THE U.S. AND UNITED KINGDOM IS INCLUDED.

AVAILABILITY: ROYAL SOCIETY OF CHEMISTRY, BURLINGTON HOUSE, LONDON, ENGLAND W1V OBN

IRIS ACCESSION NUMBER: EW015446

PUBLICATION DATE: 86

TITLE: ANALYTICAL METHODS IN HUMAN TOXICOLOGY, PART 2.

PERSONAL AUTHOR: CURRY, A.S., ED.

DESCRIPTOR: *ANALYTICAL TECHNIQUES; *DRUGS; *EQUIPMENT; *LABORATORY PROCEDURES; *HUMAN TOXICOLOGY; *POISONS; *TOXICOLOGY; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 353P. PRICE: $95.00 FLORIDA RESIDENTS ADD 6% SALES TAX

ABSTRACT: PRESENTED ARE NINE ESSAYS BY LEADING AUTHORITIES. INCLUDED ARE THE APPLICATION OF THE MOST RECENTLY DEVELOPED ANALYTICAL TECHNIQUES AND EQUIPMENT TO PARTICULAR POISONS AND DRUGS. DESCRIBES USE OF HPLC, FLUORESCENCE ANALYSIS, AND RADIOIMMUNOASSAYS IN TOXICOLOGY. SHOWS METHODS SPECIFIC TO

FORENSIC MEDICINE AND TOXICOLOGY.

AVAILABILITY: VCH PUBLISHERS, INC., ATT: PAUL B. WEHN, DIR. OF MARKETING, SUITE 909, 220 EAST 23RD ST., NEW YORK, NY 10160-0425

IRIS ACCESSION NUMBER: EW015447

PUBLICATION DATE: NOV 86

TITLE: MAJOR INDUSTRIAL AND MUNICIPAL WASTEWATER TREATMENT FACILITIES.

DESCRIPTOR: *DIRECTORIES; *FACILITIES; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 10 VOL 7000P. $850.00

ABSTRACT: THIS PUBLICATION CONTAINS DETAILED INFORMATION ON 40,000 WASTEWATER TREATMENT SYSTEMS IN 9,000 MAJOR FACILITIES IN THE U.S. WHICH DISCHARGE MORE THAN 1 MILLION GALLONS PER DAY. THE REPORT INCLUDES ADDRESS, RESPONSIBLE PERSON AND TITLE, TREATMENT TYPES, AND POLLUTANTS. INDIVIDUAL STATE LISTS ARE ALSO AVAILABLE.

AVAILABILITY: THE MCILVAINE COMPANY, 2970 MARIA AVE., NORTHBROOK, IL 60062

IRIS ACCESSION NUMBER: EW015448

PUBLICATION DATE: 88

TITLE: PROCESS TECHNOLOGIES FOR WATER TREATMENT.

PERSONAL AUTHOR: STUCKI, SAMUEL, ED.

DESCRIPTOR: *CONFERENCE PROCEEDINGS; *INNOVATIVE TECHNOLOGY; *PROCESS TECHNOLOGY; *OPERATIONS (WATER); *OPERATIONS (WASTEWATER); *TECHNOLOGY; *WATER TREATMENT; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 240P. $62.50 (US AND CANADA) $75.00 (ELSEWHERE)

ABSTRACT: THIS PUBLICATION IS THE PROCEEDINGS OF THE TENTH BROWN BOVERI SYMPOSIUM HELD IN BADEN, SWITZERLAND IN 1987. CONTENTS INCLUDE THE FOLLOWING: (1) WATER TREATMENT (M.C. KAVANAUGH); (2) REVERSE OSMOSIS FOR THE SEPARATION OF ORGANICS FROM AQUEOUS SOLUTIONS (R. RAUTENBACH & I. JANISCH); (3) ELECTRODIALYSIS (W. MCRAE); (4) REACTOR DESIGN FOR ELECTROCHEMICAL WATER TREATMENT (G. KREYSA); (5)ADVANCED OZONE GENERATION (U. KOGELSCHATZ); (6) THE CHEMISTRY OF OZONE IN WATER (J. HOIGNE); (7) OZONE IN WATER TREATMENT PROCESSES (H.P. KLEIN); (8) DISINFECTION WITH UV RADIATION (C. VON SONNTAG); (9) ULTRAPURE WATER SYSTEMS FOR SEMICONDUCTOR MANUFACTURING (R. PREISSER & E. KRAPF); (10) APPLICATION OF ELECTROCHEMICAL OZONE GENERATION IN ULTRAPURE WATER SYSTEMS (S. STUCKI & H. BAUMANN); (11) WASTEWATER PROBLEMS IN THE CHEMICAL INDUSTRY (E. PLATTNER & C. COMNINELLIS); AND (12) WATER MANAGEMENT IN POWER STATIONS (L. PELLONI & A. KYAS).

AVAILABILITY: PLENUM PUBLISHING CO., 233 SPRING ST., NEW YORK, NY 10013

IRIS ACCESSION NUMBER: EW015450

PUBLICATION DATE: 88

TITLE: THE COMPLETE HANDBOOK OF HAZARDOUS WASTE REGULATION.

PERSONAL AUTHOR: WAGNER, TRAVIS

DESCRIPTOR: *COMPLIANCE; *HAZARDOUS MATERIALS; *HAZARDOUS WASTES; *RCRA; *REGULATIONS; *SUPERFUND; *TSCA; *POLLUTION CONTROL

DESCRIPTIVE NOTE: 344P. $49.95

ABSTRACT: THE COMPLETE HANDBOOK OF HAZARDOUS WASTE REGULATION IS DIVIDED INTO THREE MAJOR SECTIONS: RCRA, TSCA, AND SUPERFUND. THESE SECTIONS ARE SIMILARLY DIVIDED INTO MANY SUBSECTIONS ADDRESSING ALL OF THE MAJOR SUBJECTS CONCERNING HAZARDOUS WASTE REGULATIONS. IT ALSO INCLUDES PAGES OF TABLES, FIGURES, AND APPENDICES.

AVAILABILITY: PERRY-WAGNER PUBLISHING CO., INC., 5119A LEESBURG PIKE, SUITE 214, FALLS CHURCH, VA 22041

IRIS ACCESSION NUMBER: EW015451

PUBLICATION DATE: 88

TITLE: A PRIMER ON TOXICOLOGY PRINCIPLES AND APPLICATIONS.

PERSONAL AUTHOR: KAMRIN, MICHAEL A.

DESCRIPTOR: *AIR; *ENVIRONMENT; *PUBLIC HEALTH; *RISK ASSESSMENT; *REGULATIONS; *TOXICOLOGY; *TOXIC SUBSTANCES; *WATER

DESCRIPTIVE NOTE: 145P. $27.50

ABSTRACT: THIS BOOK PRESENTS BASIC PRINCIPLES AND APPLICATIONS OF TOXICOLOGY. PRINCIPAL TOPICS INCLUDE INDOOR AND OUTDOOR AIR, DRINKING WATER, FOOD, AND WORKPLACE ENVIRONMENT. EXAMINED ARE TOXICICITY ASSESSMENT, RISK ASSESSMENT AND MANAGEMENT, RELATIONSHIPS OF TOXICITY TO THE HUMAN BODY, AND CHEMICAL INDIVIDUALITY AND HUMAN VARIABILITY OF TOXICITY. CASE HISTORIES ARE GIVEN FOR ASBESTOS, FORMALDEHYDE, ARTIFICIAL SWEETENERS, AND BENZENE. APPENDIXES PROVIDE ADDITIONAL INFORMATION ON NATIONAL DRINKING WATER, AMBIENT AIR, AND OCCUPATIONAL STANDARDS, AND INCLUDES A GLOSSARY OF TERMS. A BIBLIOGRAPHY IS ALSO INCLUDED.

AVAILABILITY: LEWIS PUBLISHERS, INC., 121 SOUTH MAIN ST., DRAWER 519, CHELSEA, MI 48118

IRIS ACCESSION NUMBER: EW015452

PUBLICATION DATE: JUN 88

TITLE: LABORATORY PLANNING FOR WATER AND WASTEWATER ANALYSIS.

PERSONAL AUTHOR: CLARK, DOUGLAS W.

DESCRIPTOR: *FACILITIES; *HANDBOOKS; *LABORATORY EQUIPMENT; *LABORATORY DESIGN; *OPERATIONS (WATER); *OPERATIONS (WASTEWATER)

DESCRIPTIVE NOTE: 72P. $19.50 PLUS $2.50 FOR POSTAGE AND HANDLING

ABSTRACT: THIS HANDBOOK CONSIDERS TECHNOLOGICAL ADVANCES IN LABORATORY EQUIPMENT AND PROCEDURES MADE OVER THE LAST DECADE. TOPICS COVERED IN THE HAND BOOK INCLUDE ANALYTICAL CAPABILITIES, STAFFING LEVELS, LABORATORY SIZE, DESIGN AND CONSTRUCTION, FURNISHINGS, SERVICES AND UTILITIES, DESIGN APPLICATIONS, EQUIPMENT AND SUPPLIES, AND CHEMICALS AND REAGENTS. AMONG THE MANY TABLES AND FIGURES INCLUDED IN THE HANDBOOK ARE RECOMMENDED ANALYTICAL CAPABILITIES FOR VARIOUS SIZES WATER AND WASTEWATER FACILITIES, TIME REQUIREMENTS FOR CONDUCTING SPECIFIC ANALYSES, AND RECOMMENDED LABORATORY STAFFING LEVELS. THE HANDBOOK ALSO DETAILS DESIGN ELEMENTS SUCH AS FLOOR SPACE, BENCH SURFACE, AND CABINET VOLUMES; ERGONOMIC FACTORS OF VARIOUS BENCH DIMENSIONS; AND FLOOR AND ELEVATION PLANS FOR EXAMPLE LABORATORY DESIGNS. IT ALSO CONTAINS LISTS OF RECOMMENDED EQUIPMENT AND SUPPLIES FOR EXAMPLE LABORATORIES.

AVAILABILITY: NEW MEXICO WATER RESOURCES RESEARCH INSTITUTE, BOX 30001, DEPT. 3167, LAS CRUCES, NM 88003-0001

IRIS ACCESSION NUMBER: EW015454

PUBLICATION DATE: 88

TITLE: HAZARD COMMUNICATION: THE CHEMICAL WORKER'S RIGHT TO KNOW, SAF-201. MODULE 1.

DESCRIPTOR: *AUDIOVISUAL AIDS; *CHEMICALS; *HAZARDOUS MATERIALS; *INSTRUCTIONAL MATERIALS; *REGULATIONS; *SAFETY; *TRAINING; *VIDEOCASSETTES

DESCRIPTIVE NOTE: 15-20 MIN. SEE EW 015455-015457 FOR RELATED MODULES. AVAILABLE 1/2 VHS OR BETA AND 3/4 U-MATIC.

ABSTRACT: THIS IS MODULE 1 OF A THREE-PART SERIES, SEE ALSO EW 15455 AND EW 15456. MODULE 1 REVIEWS THE KEY PROVISIONS OF THE HAZARD COMMUNICATION STANDARD, THE OSHA LAW FOR CHEMICAL WORKERS. THE MATERIAL SAFETY DATA SHEET (MSDS) IS DETAILED AND THE EMPLOYEE IS LED THROUGH A TYPICAL MSDS. A VARIETY OF CHEMICAL LABELS ARE ALSO DISCUSSED, INCLUDING VARIOUS PICTOGRAM AND COLOR-CODING SYSTEMS.

AVAILABILITY: SAVANT AUDIOVISUALS, INC., PO BOX 3670, FULLERTON, CA 92634

IRIS ACCESSION NUMBER: EW015455

PUBLICATION DATE: 88

TITLE: CHEMICAL SAFETY MEASURES, SPILLS, AND DISPOSAL, SAF-301. MODULE 2.

DESCRIPTOR: *AUDIOVISUAL AIDS; *CHEMICALS; *HAZARDOUS MATERIALS; *INSTRUCTIONAL MATERIALS; *CHEMICAL SPILLS; *CHEMICAL DISPOSAL; *SAFETY; *VIDEOCASSETTES; *TRAINING

DESCRIPTIVE NOTE: 15-20 MIN. SEE EW015454-457 FOR RELATED MODULES. AVAILABLE 1/2 VHS OR BETA AND 3/4 U-MATIC.

ABSTRACT: THIS IS MODULE 2 OF A THREE-PART SERIES. SEE ALSO EW 15454 AND EW 15456. MODULE 2 COVERS PERSONAL AND LAB SAFETY MEASURES. INSTRUCTION ON WHAT TO DO WITH A SMALL SPILL AND HOW TO GET RID OF IT IS INCLUDED. GENERAL PRINCIPLES OF HAZARDOUS WASTE DISPOSAL ARE REVIEWED. ALSO DETAILED ARE HOW VARIOUS PARTS OF THE BODY CAN BE SAFEGUARDED BY PERSONAL PROTECTIVE APPAREL AND ILLUSTRATES THE PROPER USE OF EQUIPMENT DESIGNED FOR WORKERS' PROTECTION.

AVAILABILITY: SAVANT AUDIOVISUALS, INC., PO BOX 3670, FULLERTON, CA 92634

IRIS ACCESSION NUMBER: EW015456

PUBLICATION DATE: 88

TITLE: HANDLING HAZARDOUS CHEMICALS, SAF-401. MODULE 3.

DESCRIPTOR: *AUDIOVISUAL AIDS; *HAZARDOUS MATERIALS; *CHEMICALS; *MATERIALS HANDLING; *INSTRUCTIONAL MATERIALS; *SAFETY; *TOXIC SUBSTANCES; *VIDEOCASSETTES; *TRAINING

DESCRIPTIVE NOTE: 15-20 MIN. SEE EW 015454-015457 FOR RELATED MODULES. AVAILABLE 1/2 VHS OR BETA AND 3/4 U-MATIC.

ABSTRACT: THIS IS MODULE 3 OF A THREE-PART SERIES. SEE ALSO EW 14454 AND 14455 MODULE 3 IS DESIGNED FOR WORKERS WHO ROUTINELY HANDLE HAZARDOUS CHEMICALS. THE FOUR MAJOR CATEGORIES OF HAZARDOUS CHEMICALS (CORROSIVES, REACTIVES, FLAMMABLES, AND HEALTH TOXINS) ARE DEFINED AND ILLUSTRATIONS OF EACH ARE PRESENTED ALONG WITH APPROPRIATE MEASURES FOR SAFE HANDLING. HEALTH TOXINS ARE TREATED IN DETAIL, WITH EXPLANATIONS OF ACUTE AND CHRONIC EFFECTS, FACTORS DETERMINING HUMAN TOXICITY, WAYS OF MEASURING SAFE EXPOSURE, CARCINOGENS, AND OTHER BIOHAZARDS.

AVAILABILITY: SAVANT AUDIOVISUALS, INC., PO BOX 3670, FULLERTON, CA 92634

IRIS ACCESSION NUMBER: EW015458

PUBLICATION DATE: 87

TITLE: SOLID WASTE & RECYCLING. APPENDIX 3.

DESCRIPTOR: *ANNUAL REPORTS; *ENVIRONMENT; *MANAGEMENT; *SOLID WASTES; *WASTE REDUCTION; *WASTE DISPOSAL; *POLLUTION CONTROL; *STATE PROGRAMS

DESCRIPTIVE NOTE: 25P. INDIVIDUAL/CITIZEN: $7.50 BUSINESS/GOVERNMENT: $10.00

ABSTRACT: THE SOLID WASTE APPENDIX , ONE OF SIX APPENDICES DESIGNED TO SUPPLEMENT THE DATA PRESENTED IN THE 1987 "STATE OF THE STATES" REPORT (EW 15461), PROVIDES A MORE DETAILED LOOK AT SOLID WASTE MANAGEMENT.

AVAILABILITY: RENEW AMERICA, 1001 CONNECTICUT AVE., NW, SUITE 719, WASHINGTON, DC 20036

IRIS ACCESSION NUMBER: EW015459

PUBLICATION DATE: 87

TITLE: HAZARDOUS WASTE. APPENDIX 4.

DESCRIPTOR: *ANNUAL REPORTS; *HAZARDOUS MATERIALS; *HAZARDOUS WASTES; *MANAGEMENT; *WASTE REDUCTION; *WASTE DISPOSAL; *STATE PROGRAMS; *POLLUTION CONTROL

DESCRIPTIVE NOTE: 19P. INDIVIDUAL/CITIZEN: $5.00 BUSINESS/GOVERNMENT: $10.00

ABSTRACT: THE PURPOSE OF THE HAZARDOUS WASTE APPENDIX, ONE OF SIX APPENDICES DESIGNED TO SUPPLEMENT THE DATA IN THE 1987 "STATE OF THE STATES" REPORT (EW 15461), IS TO PROVIDE CURRENT DATA ON THE STATUS OF THE 50 STATE HAZARDOUS WASTE MANAGEMENT PROGRAMS.

AVAILABILITY: RENEW AMERICA, 1001 CONNECTICUT AVE., NW, SUITE 719, WASHINGTON, DC 20036

IRIS ACCESSION NUMBER: EW015460

PUBLICATION DATE: 87

TITLE: GROUNDWATER PROTECTION. APPENDIX 5.

DESCRIPTOR: *ANNUAL REPORTS; *ENVIRONMENT; *GROUNDWATER; *GROUNDWATER PROTECTION; *MANAGEMENT; *STATE PROGRAMS; *WATER POLLUTION CONTROL

DESCRIPTIVE NOTE: 27P. INDIVIDUAL/CITIZEN: $7.50 BUSINESS/GOVERNEMNT: $10.00

ABSTRACT: THE GROUNDWATER PROTECTION APPENDIX, ONE OF SIX APPENDICES DESIGNED TO SUPPLEMENT THE DATA PRESENTED IN THE 1987 "STATE OF THE STATES" REPORT (EW 15461), HAS BEEN COMPILED TO PROVIDE A MORE DETAILED LOOK AT GROUNDWATER PROTECTION AT THE STATE LEVEL.

AVAILABILITY: RENEW AMERICA, 1001 CONNECTICUT AVE., NW, SUITE 719, WASHINGTON, DC 20036

IRIS ACCESSION NUMBER: EW015461

PUBLICATION DATE: FEB 87

TITLE: THE STATE OF THE STATES - 1987.

PERSONAL AUTHOR: RIDLEY, SCOTT

DESCRIPTOR: *ANNUAL REPORTS; *AIR POLLUTION CONTROL; *ENVIRONMENT; *HAZARDOUS WASTES; *MANAGEMENT; *SOIL CONSERVATION; *SOLID WASTES; *RECYCLING; *GROUNDWATER; *ENERGY CONSERVATION; *WATER POLLUTION CONTROL; *STATE PROGRAMS

DESCRIPTIVE NOTE: 38P. INDIVIDUAL/CITIZEN: $10.00 BUSINESS/GOVERNMENT: $15.00

ABSTRACT: THIS PUBLICATION IS AN ANNUAL REPORT RANKING EACH STATE ACCORDING TO PROGRAM STRENGTHS IN KEY ENVIRONMENTAL AREAS. RANKINGS ARE INCLUDED FOR; (1) AIR POLLUTION REDUCTION, (2) SOIL CONSERVATION, (3) SOLID WASTE AND RECYCLING, (4) HAZARDOUS WASTE MANAGEMENT, (5) GROUNDWATER PROTECTION, AND (6) RENEWABLE ENERGY AND CONSERVATION.

AVAILABILITY: RENEW AMERICA, 1001 CONNECTICUT AVE., NW, SUITE 719, WASHINGTON, DC 20036

IRIS ACCESSION NUMBER: EW015462

PUBLICATION DATE: FEB 88

TITLE: THE STATE OF THE STATES -1988.

PERSONAL AUTHOR: RIDLEY, SCOTT

DESCRIPTOR: *ANNUAL REPORTS; *INDOOR POLLUTION; *ENERGY; *ENVIRONMENT; *HIGHWAY SAFETY; *PESTICIDES; *POLLUTION CONTROL; *LAND USE; *SURFACE WATER; *SAFETY; *WATER POLLUTION CONTROL; *PLANNING; *STATE PROGRAMS

DESCRIPTIVE NOTE: 50P. INDIVIDUAL/CITIZEN: $15.00 BUSINESS/GOVERNMENT: $20.00

ABSTRACT: THIS PUBLICATION IS AN ANNUAL REPORT RANKING EACH STATE ACCORDING TO PROGRAM STRENGTHS IN KEY ENVIRONMENTAL AREAS. RANKINGS ARE INCLUDED FOR (1) SURFACE WATER PROTECTION, (2) REDUCING PESTICIDE CONTAMINATION, (3) LAND USE PLANNING, (4) ELIMINATING INDOOR POLLUTION, (5) HIGHWAY SAFETY, AND (6) ENERGY POLLUTION CONTROL.

AVAILABILITY: RENEW AMERICA, 1001 CONNECTICUT AVE., NW, SUITE 719, WASHINGTON, DC 20036

IRIS ACCESSION NUMBER: EW015463

PUBLICATION DATE: 88

TITLE: SURFACE WATER PROTECTION. FOCUS PAPER 1.

DESCRIPTOR: *ANNUAL REPORTS; *LEGISLATION; *ENVIRONMENT;

*POLICIES; *STATE PROGRAMS; SURFACE WATER; *WATER POLLUTION CONTROL; *WATER QUALITY

DESCRIPTIVE NOTE: 35P. INDIVIDUAL/CITIZEN: $6.00
BUSINESS/GOVERNMENT: $10.00

ABSTRACT: THE PURPOSE OF THE SURFACE WATER PROTECTION PAPER, ONE OF SIX FOCUS PAPERS DESIGNED TO SUPPLEMENT THE DATA IN THE 1988 "STATE OF THE STATES" REPORT (EW 15462), IS TO PROVIDE MORE DETAILED INFORMATION ON THE STATUS OF SURFACE WATER PROGRAMS AND POLICIES IN THE 50 STATES.

AVAILABILITY: RENEW AMERICA, 1001 CONNECTICUT AVE., NW, SUITE 719, WASHINGTON, DC 20036

IRIS ACCESSION NUMBER: EW015464

PUBLICATION DATE: 88

TITLE: REDUCING PESTICIDE CONTAMINATION. FOCUS PAPER 2.

DESCRIPTOR: *ANNUAL REPORTS; *HAZARDOUS MATERIALS; *ENVIRONMENTAL IMPACT; *PUBLIC HEALTH; *PESTICIDES; *POLICIES; *LEGISLATION; *POLLUTION CONTROL; *STATE PROGRAMS; BIOLOGICAL PEST CONTROL

DESCRIPTIVE NOTE: 33P. INDIVIDUAL/CITIZEN: $6.00
BUSINESS/GOVERNMENT: $10.00

ABSTRACT: THE PURPOSE OF THE PESTICIDE FOCUS PAPER, ONE OF SIX FOCUS PAPERS DESIGNED TO SUPPLEMENT THE DATA IN THE 1988 "STATE OF THE STATES" REPORT (EW 15462), IS TO PROVIDE MORE DETAILED INFORMATION ON THE STATUS OF PESTICIDE PROGRAMS AND POLICIES IN THE 50 STATES.

AVAILABILITY: RENEW AMERICA, 1001 CONNECTICUT AVE., NW, SUITE 719, WASHINGTON, DC 20036

IRIS ACCESSION NUMBER: EW015465

PUBLICATION DATE: 88

TITLE: ENERGY POLLUTION CONTROL. FOCUS PAPER 6.

DESCRIPTOR: *ANNUAL REPORTS; *ENERGY; *ENVIRONMENT; *INDUSTRIAL POLLUTION; *POLICIES; *POLLUTION CONTROL; *LEGISLATION; *STATE PROGRAMS

DESCRIPTIVE NOTE: 25P. INDIVIDUAL/CITIZEN: $6.00
BUSINESS/GOVERNMENT: $10.00

ABSTRACT: THE PURPOSE OF THE ENERGY POLLUTION CONTROL FOCUS PAPER, ONE OF SIX FOCUS PAPERS DESIGNED TO SUPPLEMENT THE DATA IN THE 1988 "STATE OF THE STATES" REPORT (EW 15462), IS TO PROVIDE MORE DETAILED INFORMATION ON THE STATUS OF PROGRAMS AND POLICIES TO CONTROL POLLUTION FROM ENERGY PRODUCTION IN THE 50 STATES.

AVAILABILITY: RENEW AMERICA, 1001 CONNECTICUT AVE., NW, SUITE 719, WASHINGTON, DC 20036

IRIS ACCESSION NUMBER: EW015466

PUBLICATION DATE: 88

TITLE: INSTALLATION GUIDE FOR PVC SEWER PIPE.

DESCRIPTOR: *HANDBOOKS; *INSTALLATION; *PIPES; *PVC PIPES; *PIPE JOINTS; *SEWERS; *SEWER PIPES; *WASTEWATER COLLECTION

DESCRIPTIVE NOTE: 25P. FREE, WHILE SUPPLY LASTS

ABSTRACT: THIS BOOKLET WAS DEVELOPED TO SERVE AS A FIELD INSTALLATION GUIDE. GENERAL INFORMATION REGARDING THE CORRECT INSTALLATION OF PVC SEWER PIPE AND ASSEMBLY OF INTEGRAL BELL GASKETED JOINTS IS INCLUDED.

AVAILABILITY: UNI-BELL PVC PIPE ASSOCIATION, 2655 VILLA CREEK DR., SUITE 155, DALLAS, TX 75234

IRIS ACCESSION NUMBER: EW015467

PUBLICATION DATE: 88

TITLE: TAPPING GUIDE FOR PVC PRESSURE PIPE.

DESCRIPTOR: *HANDBOOKS; *PIPES; *PVC PIPES; *TAPPING GUIDES; *WATER PIPES; *WATER DISTRIBUTION; *WATER SUPPLY

DESCRIPTIVE NOTE: 20P. FREE, WHILE SUPPLY LASTS

ABSTRACT: THIS BOOKLET PROVIDES DETAILED INFORMATION REGARDING RECOMMENDED PROCEDURES AND EQUIPMENT FOR TAPPING PVC PRESSURE PIPE. SECTIONS ARE INCLUDED ON DIRECT TAPPING, SADDLE TAPPING, AND TAPPING SLEEVE AND VALVE.

AVAILABILITY: UNI-BELL PVC PIPE ASSOCIATION, 2655 VILLA CREEK DR., SUITE 155, DALLAS, TX 75234

IRIS ACCESSION NUMBER: EW015468

PUBLICATION DATE: 88

TITLE: RECOMMENDED STANDARD PERFORMANCE SPECIFICATION FOR JOINT RESTRAINT DEVICES FOR USE WITH POLYVINYL CHLORIDE (PVC) PIPE.

DESCRIPTOR: *JOINT RESTRAINT DEVICES; *PIPES; *PVC PIPES; *WATER PIPES; *PERFORMANCE SPECIFICATIONS

DESCRIPTIVE NOTE: 4P. FREE, WHILE SUPPLY LASTS

ABSTRACT: THIS PUBLICATION CONTAINS RECOMMENDED STANDARD PERFORMANCE SPECIFICATIONS FOR JOINT RESTRAINT DEVICES FOR USE WITH PVC PIPES.

AVAILABILITY: UNI-BELL PVC PIPE ASSOCIATION, 2655 VILLA CREEK DR., SUITE 155, DALLAS, TX 75234

IRIS ACCESSION NUMBER: EW015469

PUBLICATION DATE: 88

TITLE: RECOMMENDED STANDARD SPECIFICATION FOR FIBERGLASS OVERWRAPPED POLYVINYL CHLORIDE (PVC) PRESSURE FITTINGS.

DESCRIPTOR: *FITTINGS; *PERFORMANCE STANDARDS; *PIPES; *PVC PIPES; *WATER PIPES

DESCRIPTIVE NOTE: 11P. FREE, WHILE SUPPLY LASTS

ABSTRACT: THIS PUBLICATION CONTAINS RECOMMENDED STANDARD SPECIFICATIONS FOR FIBERGLASS OVERWRAPPED POLYVINYL CHLORIDE (PVC) PRESSURE FITTINGS FOR USE WITH PVC PIPE.

AVAILABILITY: UNI-BELL PVC PIPE ASSOCIATION, 2655 VILLA CREEK DR., SUITE 155, DALLAS, TX 75234

IRIS ACCESSION NUMBER: EW015472

PUBLICATION DATE: APR 88

TITLE: CONTROL OF VOLATILE ORGANIC CONTAMINANTS IN GROUNDWATER BY IN-WELL AERATION.

PERSONAL AUTHOR: COYLE, JUDITH A.; AND OTHERS

DESCRIPTOR: *AIR LIFT PUMPS; *DRINKING WATER; *COSTS; *CONTAMINANT REMOVAL; *OPERATIONS (WATER); *ORGANIC COMPOUNDS; *VOLATILE ORGANIC COMPOUNDS; *WATER TREATMENT; *WELLS; *IN-WELL AERATION

DESCRIPTIVE NOTE: PRICE CODE: $19.95 SUBJECT TO CHANGE ORDER NUMBER: PB 88-180 112/AS

ABSTRACT: THIS INVESTIGATION COVERED THE DESIGN AND OPERATION OF VARIOUS IN-WELL AERATION CONFIGURATIONS. THE CONFIGURATIONS INCLUDED AIR-LIFT PUMPING WITH AND WITHOUT IN-WELL DIFFUSED AERATION, I.E. SPARGING, AS WELL AS ELECTRIC SUBMERSIBLE PUMPING WITH IN-WELL DIFFUSED AERATION. IN-WELL AERATION CAN BE A USEFUL TREATMENT TECHNIQUE FOR VOLATILE ORGANIC CONTAMINANT REMOVAL ON A SHORT-TERM EMERGENCY BASIS. VARIOUS ALTERNATIVES ARE CONSIDERED.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL RD., SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW015473

PUBLICATION DATE: JUL 88

TITLE: DESTRUCTION OF CYANIDE IN WASTEWATERS: REVIEW AND EVALUATION.

PERSONAL AUTHOR: WEATHINGTON, B. CHRIS

DESCRIPTOR: *CONTAMINANT REMOVAL; *CYANIDES; *PERFORMANCE EVALUATION; *OPERATIONS (WASTEWATER); *TECHNOLOGY; *WASTEWATER TREATMENT; *TITANIUM OXIDE; *ULTRAVIOLET LIGHT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: PRICE CODE: $14.95 SUBJECT TO CHANGE ORDER NO: PB 88-213 046/AS

ABSTRACT: TWELVE TECHNOLOGIES USED IN THE DESTRUCTION OF CYANIDES IN WASTEWATER WERE REVIEWED. THIS REPORT PRESENTS RESULTS OF A TEST EVALUATING THE EFFECTIVENESS OF TITANIUM OXIDE AND ULTRAVIOLET LIGHT FOR THE TREATMENT OF CYANIDES. RESULTS ARE REPORTED.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL RD., SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW015474

PUBLICATION DATE: OCT 87

TITLE: REPORT ON THE USE OF WETLANDS FOR MUNICIPAL WASTEWATER TREATMENT AND DISPOSAL.

DESCRIPTOR: *CONSTRUCTED WETLANDS; *FACILITIES; *NATURAL WETLANDS; *OPERATIONS (WASTEWATER); *USEPA; *WETLANDS; *WASTEWATER TREATMENT; *REGULATIONS; *POLICIES

DESCRIPTIVE NOTE: 30P. PRICE: $2.80 SOME PAGES HAVE MARGINAL LEGIBILITY.

ABSTRACT: THIS REPORT REVIEWS CURRENT KNOWLEDGE OF THE USE OF BOTH NATURAL AND CONSTRUCTED WETLANDS FOR MUNICIPAL WASTEWATER TREATMENT AND DISPOSAL. THE EXTENT AND CIRCUMSTANCES OF THIS PRACTICE ARE REVIEWED AND SUMMARIES OF THE REGULATORY ISSUES INVOLVED AS WELL AS EPA POLICIES ARE PRESENTED.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS RD., RM. 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW015475

PUBLICATION DATE: 88

TITLE: ALTERNATIVE ENERGY SOURCES FOR WASTEWATER TREATMENT PLANTS.

DESCRIPTOR: *ALTERNATIVE TECHNOLOGY; *CASE HISTORIES; *COSTS; *ENERGY USE; *ENERGY SOURCES; *OPERATIONS (WASTEWATER); *PERFORMANCE EVALUATION; *TECHNOLOGY; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 131P. $8.86

ABSTRACT: THIS TECHNOLOGY ASSESSMENT PROVIDES AN INTRODUCTION TO THE USE OF SEVERAL ALTERNATIVE ENERGY SOURCES AT WASTEWATER TREATMENT PLANTS. THIS DOCUMENT ASSUMES THAT THE READER HAS LITTLE OR NO KNOWLEDGE OF THE TECHNOLOGIES PRESENTED. THE REPORT CONTAINS FACT SHEETS (TECHNICAL DESCRIPTIONS) AND DATA SHEETS (COST AND DESIGN INFORMATION) FOR THE TECHNOLOGIES. COST FIGURES AND SCHEMATIC DIAGRAMS OF THE TECHNOLOGIES ARE INCLUDED. CASE

HISTORIES OF SEVEN TREATMENT PLANTS THAT HAVE USED ONE OR MORE OF THE ALTERNATIVE TECHNOLOGIES ARE PRESENTED. BASED ON THIS ASSESSMENT THE FOLLOWING ALTERNATIVE ENERGY TECHNOLOGIES APPEAR TO BE POTENTIALLY COST EFFECTIVE: (1) HEAT PUMPS WHICH USE INFLUENT OR EFFLUENT WASTEWATER AS THEIR HEAT SOURCE, FOR SUPPLYING PROCESS OR BUILDING HEAT. (2) GEOTHERMAL DIRECT-USE SYSTEMS FOR LARGE ENERGY LOADS WHEN GEOTHERMAL SOURCE IS ADEQUATE. (3) WIND POWER SYSTEMS FOR LARGE ELECTRICAL LOADS WHEN ANNUAL WIND FLUX IS ADEQUATE. (4) PASSIVE SOLAR SYSTEMS WHERE THEY CAN BE COST-EFFECTIVELY INTEGRATED INTO THE OVERALL ARCHITECTURAL DESIGN OF A FACILITY. (5) LOW-HEAD HYDRO SYSTEMS MAY BE APPROPRIATE FOR SMALLER PLANTS WHICH HAVE AN AVAILABLE HEAD GREATER THAN THREE METERS.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS RD., RM. 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW015476

PUBLICATION DATE: 88

TITLE: TOXICITY REDUCTION EVALUATION AT THE PATAPSCO WASTEWATER TREATMENT PLANT.

PERSONAL AUTHOR: BOTTS, JOHN A.; AND OTHERS

DESCRIPTOR: *MARYLAND; *OPERATIONS (WASTEWATER); *PERFORMANCE EVALUATION; *TOXICITY CONTROL; *TOXIC SUBSTANCES; *WASTEWATER TREATMENT; *WATER POLLUTION CONTROL; *WATER QUALITY

DESCRIPTIVE NOTE: 330P. $20.80

ABSTRACT: IN JANUARY 1986 THE EPA AND THE CITY OF BALTIMORE (CITY) ENTERED INTO A COOPERATIVE AGREEMENT TO PERFORM A TOXICITY REDUCTION EVALUATION (TRE) RESEARCH STUDY AT THE CITY'S PATAPSCO WASTE WATER TREATMENT PLANT (PATAPSCO WWTP). THE PATAPSCO WWTP TRE WAS INITIATED IN APRIL 1986 AND COMPLETED IN SEPTEMBER 1987, AND REPRESENTS ONE OF THE FIRST CASE HISTORIES OF A TOXICS MANAGEMENT PROGRAM AT A MUNICIPAL WASTEWATER TREATMENT PLANT. THIS STUDY CHARACTERIZED TREATMENT PLANT INFLUENT AND OPERATIONS DATA AND RELATED THESE DATA TO WASTEWATER TOXICITY AND INHIBITION DATA; CHARACTERIZED THE PLANT'S INFLUENT AND EFFLUENT WASTEWATER TOXICITY AND USING DEFINITIVE EPA BIOASSAYS AND IN-PLANT TOXICITY MONITORS; EVALUATED THE FATE OF TOXICITY AND SPECIFIC TOXIC CHEMICALS DURING TREATMENT; AND EVALUATED TECHNIQUES TO TRACE TOXICITY TO ITS SOURCE AND TO IDENTIFY SPECIFIC COMPONENTS OF TOXICITY. ALTHOUGH THE PATAPSCO WWTP PERFORMED WELL, SUBSTANTIAL ACUTE AND CHRONIC TOXICITY WAS PRESENT IN THE PATAPSCO WWTP EFFLUENT. THE WASTEWATER FRACTIONATION/IDENTIFICATION PROCEDURES IDENTIFIED NONPOLAR ORGANIC COMPOUNDS AS THE PRINCIPAL TOXICANTS WHILE COMPOUNDS REMOVED BY VOLATILIZATION AND AMMONIA CONTRIBUTED LESSER AMOUNTS OF TOXICITY. THE TOXICITY TREATABILITY PROCEDURES WAS FOUND TO BE AN EFFECTIVE TOOL FOR IDENTIFYING AND RANKING POSSIBLE TOXICITY CONTRIBUTORS AND FOR IDENTIFYING DISCHARGES THAT INTERFERE WITH BIOLOGICAL TREATMENT.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS RD., RM. 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW015477

PUBLICATION DATE: 88

TITLE: SURVEY AND EVALUATION OF FINE BUBBLE DOME AND DISC DIFFUSER AERATION SYSTEMS IN NORTH AMERICA.

PERSONAL AUTHOR: HOUCK, DANIEL H.

DESCRIPTOR: *ACTIVATED SLUDGE PROCESS; *DIFFUSER AERATION SYSTEMS; *DOME DIFFUSERS; *DISC DIFFUSERS; *OPERATIONS (WASTEWATER); *PERFORMANCE EVALUATION; *EQUIPMENT; *MAINTENANCE; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 111P. $7.66

ABSTRACT: THIS RESEARCH PROJECT WAS UNDERTAKEN WITH THE OVERALL OBJECTIVE OF BETTER DEFINING THE OXYGEN TRANSFER PERFORMANCE, OPERATION AND MAINTENANCE (O&M) REQUIREMENTS, AND PROPER DESIGN APPROACHES FOR CERAMIC FINE BUBBLE DOME AND DISC DIFFUSER AERATION SYSTEMS USED IN ACTIVATED SLUDGE WASTEWATER TREATMENT. A STUDY OF DOME AND DISC DIFFUSER AERATION SYSTEMS OF 19 NORTH AMERICAN ACTIVATED SLUDGE PLANTS WAS CARRIED OUT DURING THIS PROJECT. TWO OF THE PLANTS WERE LOCATED IN THE METROPOLITAN TORONTO (ONTARIO), CANADA, AREA. THE REMAINING 17 WERE LOCATED IN THE UNITED STATES. THE PLANTS WERE SELECTED FROOM INSTALLATION LISTS PROVIDED BY THE PRINCIPAL MANUFACTURERS OF DOME AND DISC DIFFUSER EQUIPMENT ON THE BASES OF SIZE AND AGE OF SYSTEM, LOCATION, AND QUALITY OF AVAILABLE DATA. ALL WERE MUNICIPAL WASTEWATER TREATMENT PLANTS TREATING PREDOMINANTLY DOMESTIC WASTES, THOUGH SOME HAD SIGNIFICANT INDUSTRIAL FLOWS AS WELL. DATA ON DESIGN BASES, INFLUENT AND EFFLUENT WASTEWATER CHARACTERISTICS, AERATION POWER AND AIR FLOW, AND O&M EXPERIENCE WERE REQUESTED FROM EACH PLANT. THESE WERE SUPPLEMENTED AS NEEDED BY ON-SITE INVESTIGATIONS AND INTERVIEWS THAT FOCUSED ON THE PRACTICAL OPERATING EXPERIENCE OF PLANT PERSONNEL.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS RD., RM. 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW015478

PUBLICATION DATE: SEP 88

TITLE: SYSTEMS FOR HAZARDOUS WASTEWATER MANAGEMENT.

PERSONAL AUTHOR: CHEREMISINOFF, PAUL N.

DESCRIPTOR: *BIOLOGICAL TREATMENT; *CHEMICAL TREATMENT; *HAZARDOUS WASTES; *MANAGEMENT; *THERMAL TREATMENT; *TECHNOLOGY; *WASTE TREATMENT; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 80-90P.

ABSTRACT: DESCRIBED ARE SEVERAL ALTERNATIVES FOR THE MANAGEMENT OF HAZARDOUS WASTES AND WASTEWATER. CONSIDERED ARE (1) BIOLOGICAL TREATMENT, (2) CHEMICAL PRECIPITATION AND COAGULATION, AND (3) THERMAL TREATMENT/INCINERATION. SELECTED VARIABLES RELATED TO EACH ARE IDENTIFIED.

AVAILABILITY: POLLUTION ENGINEERING; V20 N9

IRIS ACCESSION NUMBER: EW015479

PUBLICATION DATE: SEP 88

TITLE: REAL ESTATE TRANSACTION ENVIRONMENTAL CONSIDERATIONS.

PERSONAL AUTHOR: NEWTON, JIM

DESCRIPTOR: *ENVIRONMENTAL AUDITS; *ENVIRONMENTAL PROBLEMS; *COMPLIANCE; *LIABILITY; *AUDITS; *HAZARDOUS MATERIALS; *TOXIC SUBSTANCES; *REAL ESTATE

DESCRIPTIVE NOTE: 100-04P.

ABSTRACT: REAL ESTATE PURCHASES INVOLVE MANY ENVIRONMENTAL CONSIDERATIONS. POSSIBLE LIABILITIES ARE CONSIDERED AND THE USE OF AN ENVIRONMENTAL AUDIT IS RECOMMENDED. A DETAILED ENVIRONMENTAL AUDIT IS DETAILED.

AVAILABILITY: POLLUTION ENGINEERING; V20 N9

IRIS ACCESSION NUMBER: EW015480

PUBLICATION DATE: SEP 88

TITLE: WASTE STREAM DETOXIFIED WITH IMMOBILIZED MICROBE SYSTEM.

PERSONAL AUTHOR: ATTAWAY, H.; AND OTHERS.

DESCRIPTOR: *BIOLOGICAL TREATMENT; *IMMOBILIZED BACTERIAL SYSTEMS; *ORGANIC CARBON; *SODIUM CHLOROACETATE; *PILOT STUDIES; *PERFORMANCE EVALUATION; *WASTE TREATMENT; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 106-08P.

ABSTRACT: DESCRIBED IS AN IMMOBILIZED MICROBE SYSTEM FOR DEGRADING A WASTE STREAM.

AVAILABILITY: POLLUTION ENGINEERING; V20 N9

IRIS ACCESSION NUMBER: EW015481

PUBLICATION DATE: SEP 88

TITLE: ENVIRONMENTAL AUDIT AND PROPERTY LIABILITY ASSESSMENT.

PERSONAL AUTHOR: BERNATH, TIBOR

DESCRIPTOR: *AUDITS; *ENVIRONMENTAL AUDITS; *COMPLIANCE; *INSPECTION; *LIABILITY; *FACILITIES; *SITE ASSESSMENT

DESCRIPTIVE NOTE: 110-14P.

ABSTRACT: DISCUSSED ARE ENVIRONMENTAL AUDITS AND PROPERTY LIABILITY ASSESSMENT. PROBLEMS FREQUENTLY ENCOUNTERED IN AUDITS AND FILES AND RECORDS THAT SHOULD BE AUDITED ARE LISTED. ALSO INCLUDED ARE AN ENVIRONMENTAL SITE ASSESSMENT CHECKLIST AND A SITE INSPECTION CHECKLIST.

AVAILABILITY: POLLUTION ENGINEERING; V20 N9

IRIS ACCESSION NUMBER: EW015482

PUBLICATION DATE: SEP 88

TITLE: USING PLC TO TEST INCINERATOR EMERGENCY SHUTDOWN.

PERSONAL AUTHOR: WENE, DOUGLAS G.

DESCRIPTOR: *AUTOMATIC CONTROLS; HAZARDOUS WASTES; *EMERGENCY SHUTDOWN; *INCINERATORS; *PROGRAMMABLE LOGIC CONTROLLERS; *SAFETY; *SAFETY TESTS

DESCRIPTIVE NOTE: 116-17P.

ABSTRACT: DESCRIBED IS THE USE OF A PROGRAMMABLE LOGIC CONTROLLER (PLC) TO TEST HAZARDOUS WASTE INCINERATORS FOR EMERGENCY SHUTDOWN.

AVAILABILITY: POLLUTION ENGINEERING; V20 N9

IRIS ACCESSION NUMBER: EW015483

PUBLICATION DATE: SEP 88

TITLE: COUNTY TAKES INITIATIVE IN REPUMP STATION DESIGN.

PERSONAL AUTHOR: NEWMAN, MICHAEL R.

DESCRIPTOR: *AESTHETICS; *DESIGN; *ECONOMICS; *FLORIDA; *FACILITIES; *PUMP STATIONS; *REPUMP STATIONS; *WATER DISTRIBUTION; *WATER SUPPLY

DESCRIPTIVE NOTE: 118-20P.

ABSTRACT: DESCRIBED IS THE DESIGN OF A REPUMP STATION FOR PUMPING WATER IN SOUTHWEST FLORIDA.

AVAILABILITY: POLLUTION ENGINEERING; V20 N9

IRIS ACCESSION NUMBER: EW015484

PUBLICATION DATE: SEP 88

TITLE: CRITICAL FLUID EXTRACTION TREATMENT OF ORGANIC WASTEWATER.

PERSONAL AUTHOR: MCGOVERN, WILLIAM E.; RICE, PAUL N.

DESCRIPTOR: *CARBON DIOXIDE; *OPERATIONS (WASTEWATER); *ORGANIC WASTES; *PILOT STUDIES; *PRETREATMENT; *PERFORMANCE

EVALUATION; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 122-26P.

ABSTRACT: DESCRIBED IS THE USE OF LIQUID CARBON DIOXIDE FOR THE TREATMENT AND REMOVAL OF ORGANICS FROM WASTEWATER.

AVAILABILITY: POLLUTION ENGINEERING; V20 N9

IRIS ACCESSION NUMBER: EW015485

PUBLICATION DATE: SEP 88

TITLE: PC VOC CALCULATION.

PERSONAL AUTHOR: RICH, GERALD

DESCRIPTOR: COMPUTER APPLICATIONS; COMPUTER PROGRAMS; *COMPUTER SOFTWARE; *ANALYTICAL TECHNIQUES; *EMISSIONS; EMISSION RATES; ORGANIC COMPOUNDS; *VOLATILE ORGANIC COMPOUNDS; *COMPLIANCE; *HAZARDOUS MATERIALS; *TOXIC SUBSTANCES; *INDUSTRIAL WASTES

DESCRIPTIVE NOTE: 128-30P.

ABSTRACT: THIS ARTICLE ATTEMPTS TO REDUCE CONFUSION SOME ENVIRONMENTAL MANAGERS MAY HAVE BY PROVIDING A COMPUTER PROGRAM TO HELP CALCULATE EMISSIONS RELATED TO VOLATILE ORGANIC COMPOUNDS.

AVAILABILITY: POLLUTION ENGINEERING; V20 N9

IRIS ACCESSION NUMBER: EW015486

PUBLICATION DATE: SEP 88

TITLE: POISED FOR GROWTH: A MARKET "BEGGING FOR COMPANIES."

DESCRIPTOR: *CONTRACTED SERVICES; *MINNESOTA; *SOLID WASTES; *RECYCLING; *WASTE COLLECTION; *WASTE PROCESSING; *ECONOMICS; *EQUIPMENT

DESCRIPTIVE NOTE: 29P.

ABSTRACT: DESCRIBED IS A COMPANY CALLED SUPER CYCLE THAT HAS DEVELOPED A SOLID WASTE RECYCLING PROGRAM FOR 28 COMMUNITIES IN MINNESOTA. THE COMPANY USES SPECIAL COLLECTION VEHICLES WITH BINS THAT CAN BE REMOVED BY FORKLIFT.

AVAILABILITY: BIOCYCLE; V29 N8

IRIS ACCESSION NUMBER: EW015487

PUBLICATION DATE: SEP 88

TITLE: OPERATOR'S CHALLENGE: PROBLEM SOLVING AT A FIRST GENERATION FACILITY.

PERSONAL AUTHOR: GOLDSTEIN, NORA

DESCRIPTOR: *ECONOMICS; *EQUIPMENT; *FACILITIES; *IN-VESSEL SLUDGE COMPOSTING; *NEW YORK; *SLUDGE; *SLUDGE DISPOSAL; *PERFORMANCE EVALUATION; *WASTEWATER TREATMENT; *OPERATIONS (WASTEWATER); *MARKETING; *ODOR CONTROL

DESCRIPTIVE NOTE: 30-32P.

ABSTRACT: DESCRIBED IS AN IN-VESSEL SLUDGE COMPOSTING OPERATION IN NEW YORK. THE SYSTEM USES A FAIRCHILD DIGESTER CIRCULAR AGITATED BED.

AVAILABILITY: BIOCYCLE; V29 N8

IRIS ACCESSION NUMBER: EW015488

PUBLICATION DATE: SEP 88

TITLE: AVOIDING DISPOSAL PROBLEMS: COMPOSTING SEAFOOD WASTES.

PERSONAL AUTHOR: MATHUR, S.P.; AND OTHERS

DESCRIPTOR: *COMPOSTING; *FISH WASTES; *INDUSTRIAL WASTES; *WASTE DISPOSAL; *POLLUTION CONTROL; *RESEARCH REPORTS; *WINDROW COMPOSTING

DESCRIPTIVE NOTE: 44-49P.

ABSTRACT: RESEARCH RESULTS SHOW THE FEASIBILITY OF COMPOSTING MOST TYPES OF FINFISH AND SHELLFISH WASTES WITH PEAT IN PASSIVELY-AERATED STATIC WINDROWS AT BOTH SMALL AND LARGE SCALES.

AVAILABILITY: BIOCYCLE; V29 N8

IRIS ACCESSION NUMBER: EW015489

PUBLICATION DATE: SEP 88

TITLE: ON FARM DIGESTER: BIOGAS PRODUCTION FROM CAGED LAYER WASTES.

PERSONAL AUTHOR: WADDELL, EDWARD L., JR.

DESCRIPTOR: *BIOGAS PRODUCTION; *DEMONSTRATION PROJECTS; *ANAEROBIC DIGESTION; *POULTRY INDUSTRY; *INDUSTRIAL WASTES; *WASTE DISPOSAL; *PERFORMANCE EVALUATION; *RECYCLING; *RESOURCE RECOVERY

DESCRIPTIVE NOTE: 58-59P.

ABSTRACT: DESCRIBED IS A BIOGAS PRODUCTION PROJECT IN CALHOUN, GEORGIA. THE BIOGAS IS PRODUCED FROM CHICKEN MANURE IN AN ANAEROBIC DIGESTER. THE BIOGAS IS USED BY THE COMPANY TO SAVE COSTS OF PURCHASING SOME ELECTRICITY AND PROPANE. DIGESTED WASTES ARE APPLIED TO LAND.

AVAILABILITY: BIOCYCLE; V29 N8

IRIS ACCESSION NUMBER: EW015490

PUBLICATION DATE: SEP 88

TITLE: GROWTH AND UPTAKE RESEARCH: WASTEWATER IRRIGATION OF VEGETABLE CROPS.

PERSONAL AUTHOR: DAVIS, T.L.; AND OTHERS

DESCRIPTOR: *AGRICULTURE; *IRRIGATION; *EFFLUENT; *SECONDARY EFFLUENT; *OPERATIONS (WASTEWATER); *WASTEWATER; *WASTE DISPOSAL; *WASTEWATER TREATMENT; *RESOURCE RECOVERY

DESCRIPTIVE NOTE: 60-63P.

ABSTRACT: RESEARCH RESULTS REPORTED INDICATE THAT SECONDARY MUNICIPAL SEWAGE EFFLUENT WAS A GOOD SOURCE OF NUTRIENTS AND WATER FOR VEGETABLE CROPS.

AVAILABILITY: BIOCYCLE; V29 N8

IRIS ACCESSION NUMBER: EW015491

PUBLICATION DATE: SEP 88

TITLE: SLUDGE UTILIZATION: REVEGETATION OF A SUPERFUND SITE.

PERSONAL AUTHOR: SOPPER, WILLIAM E.; MCMAHON, JOSEPH M. III

DESCRIPTOR: *AGRICULTURE; *SOIL CONSERVATION; *RESEEDING; *SOIL AMENDMENTS; *SEWAGE SLUDGE; *WASTE DISPOSAL; *PENNSYLVANIA

DESCRIPTIVE NOTE: 64-66P.

ABSTRACT: REPORTED IS THE USE OF SEWAGE SLUDGE AND FLYASH AS AMENDMENTS TO FACILITATE THE ESTABLISHMENT OF VEGETATION ON SOILS CONTAMINATED FROM OPERATIONS OF A SHELTER IN PENNSYLVANIA. RESULTS HAVE BEEN SUCCESSFUL.

AVAILABILITY: BIOCYCLE; V 29 N8

IRIS ACCESSION NUMBER: EW015492

PUBLICATION DATE: S/OC 88

TITLE: ON-SITE SEPTIC SYSTEMS: THE RISK OF GROUNDWATER CONTAMINATION.

PERSONAL AUTHOR: COGGER, CRAIG

DESCRIPTOR: *CONTAMINATION; *DRINKING WATER; *ONSITE WASTEWATER TREATMENT; *SEPTIC SYSTEMS; *WASTEWATER TREATMENT; *WATER QUALITY; *WATER POLLUTION CONTROL

DESCRIPTIVE NOTE: 12-16P.

ABSTRACT: DESCRIBED ARE POTENTIAL GROUNDWATER CONTAMINATION PROBLEMS FROM ONSITE SEPTIC SYSTEMS. ONSITE SYSTEMS CURRENTLY ARE THE ONLY ECONOMICALLY VIABLE WASTEWATER TREATMENT OPTION IN MANY RURAL AND SUBURBAN AREAS, AND SPECIAL EFFORTS MUST BE MADE TO ENSURE THEIR ENVIRONMENTAL VIABILITY.

AVAILABILITY: JOURNAL OF ENVIRONMENTAL HEALTH; V51 N1

IRIS ACCESSION NUMBER: EW015493

PUBLICATION DATE: S/OC 88

TITLE: INNOVATIVE SUBSURFACE SEWAGE MANAGEMENT: A PROGRAM TO PROTECT IDAHO'S RATHDRUM PRAIRIE AQUIFER.

PERSONAL AUTHOR: PRINS, CHRISTOPHER J.; AND OTHERS

DESCRIPTOR: *DRINKING WATER; *GROUNDWATER; *IDAHO; *MANAGEMENT; *REGULATIONS; *SEWAGE MANAGEMENT; *WASTEWATER DISPOSAL; *WATER QUALITY; *WATER POLLUTION CONTROL

DESCRIPTIVE NOTE: 17-18P.

ABSTRACT: IDAHO'S PANHANDLE HEALTH DISTRICT HAS UNDERTAKEN A UNIQUE SEPTIC SYSTEM MANAGEMENT PROGRAM TO PROTECT DRINKING WATER SUPPLIED BY A SOLE SOURCE AQUIFER. THE PROGRAM COMBINES GENERAL REGULATIONS AND CONTRACTUAL AGREEMENTS TO ACHIEVE BOTH ENVIRONMENTALLY AND ECONOMICALLY SOUND SEWAGE WASTE DISPOSAL PLANNING CONSISTENT WITH LOCAL NEEDS.

AVAILABILITY: JOURNAL OF ENVIRONMENTAL HEALTH; V51 N1

IRIS ACCESSION NUMBER: EW015494

PUBLICATION DATE: 88

TITLE: HOW CAN IRRIGATED AGRICULTURE EXIST WITH TOXIC WASTE REGULATIONS? REPORT OF THE PANEL OF EXPERTS.

DESCRIPTOR: *AGRICULTURE; *GROUNDWATER; *DRAINAGE; *NON-POINT SOURCE POLLUTION; *IRRIGATION; *RESEARCH REPORTS; *SURFACE WATER; *TOXIC SUBSTANCES; *WATER SUPPLY; *WATER QUALITY; *WATER POLLUTION CONTROL; *REGULATIONS; *SOURCE POLLUTION

DESCRIPTIVE NOTE: 28P. COMPLIMENTARY COPIES AVAILABLE AS LONG AS SUPPLY LASTS.

ABSTRACT: THIS IS A REPORT OF A PANEL OF EXPERTS COMMISSIONED TO EXAMINE APPROACHES AND SOLUTIONS TO POINT SOURCE AND NON-POINT SOURCE POLLUTION OF SURFACE AND GROUNDWATER DUE TO IRRIGATION. SECTIONS ARE INCLUDED ON REGULATIONS AND PROPOSALS FOR ACTION.

AVAILABILITY: U.S. COMMITTEE ON IRRIGATION AND DRAINAGE, PO BOX 15326, DENVER, CO 80215

IRIS ACCESSION NUMBER: EW015495

PUBLICATION DATE: 88

TITLE: TOXIC SUBSTANCES IN AGRICULTURAL WATER SUPPLY AND DRAINAGE. SEARCHING FOR SOLUTIONS. PROCEEDINGS- 1987 NATIONAL MEETING.

PERSONAL AUTHOR: SUMMERS, JOSEPH B., ED.; ANDERSON, SUSAN S., ED.

DESCRIPTOR: *AGRICULTURE; *GROUNDWATER; *DRAINAGE; *NON-POINT SOURCE POLLUTION; *SOURCE POLLUTION; *IRRIGATION; *RESEARCH REPORTS; *SURFACE WATER; *TOXIC SUBSTANCES; *WATER SUPPLY; *WATER QUALITY; *WATER POLLUTION CONTROL; *REGULATIONS

DESCRIPTIVE NOTE: 164P. $18.00 - MEMBER $36.00- NONMEMBER ADD $3.00 SHIPPING FOR ORDERS UNDER $100.00

ABSTRACT: THIS IS A REPORT OF A PANEL OF EXPERTS AND PAPERS PRESENTED AT A 1987 MEETING IN LAS VEGAS,NEVADA. THE REPORT CONSIDERS APPROACHES AND SOLUTIONS TO POINT SOURCE AND NON-POINT SOURCE POLLUTION OF SURFACE AND GROUNDWATERS FROM AGRICULTURAL PRACTICES PRIMARILY IRRIGATED LAND. THE PAPERS PRESENT RESEARCH RESULTS AND ADDRESS A VARIETY OF TOPICS RELATED TO TOXIC SUBSTANCES IN THE AGRICULTURAL WATER SUPPLY.

AVAILABILITY: U.S. COMMITTEE ON IRRIGATION AND DRAINAGE, PO BOX 15326, DENVER, CO 80215

IRIS ACCESSION NUMBER: EW015496

PUBLICATION DATE: 88

TITLE: WATER MANAGEMENT. PROCEEDINGS- 1987 REGIONAL MEETINGS.

PERSONAL AUTHOR: SCHAACK, JERRY, ED.; AND OTHERS

DESCRIPTOR: *COMPUTERS; *COMPUTER APPLICATIONS; *AGRICULTURE; *GROUNDWATER; *IRRIGATION; DRAINAGE; *MANAGEMENT; NON-POINT SOURCE POLLUTION; SOURCE POLLUTION; *SURFACE WATER; *WATER SUPPLY; *WATER QUALITY

DESCRIPTIVE NOTE: 588P. $20.00- MEMBER $40.00- NONMEMBER ADD $3.00 SHIPPING FOR 1-9 COPIES.

ABSTRACT: THIS PUBLICATION IS THE PROCEEDINGS FROM TWO REGIONAL 1987 MEETINGS. PAPERS ARE INCLUDED ON WATER QUALITY, MANAGEMENT, CONJUCTIVE USE OF SURFACE/GROUNDWATER, AND USE OF COMPUTERS.

AVAILABILITY: U.S. COMMITTEE ON IRRIGATION AND DRAINAGE, PO BOX 15326, DENVER, CO 80215

IRIS ACCESSION NUMBER: EW015497

PUBLICATION DATE: 87

TITLE: THERMODYNAMIC DATA FOR BIOMASS MATERIALS AND WASTE COMPONENTS.

PERSONAL AUTHOR: DOMALSKI, E.S., ED.; AND OTHERS

DESCRIPTOR: *BIOMASS; *HEATS OF COMBUSTION; *MUNICIPAL WASTES; *WASTE CHARACTERISTICS; *REFERENCE MATERIALS; *WASTE DISPOSAL; *THERMODYNAMIC PROPERTIES

DESCRIPTIVE NOTE: 376P.

ABSTRACT: THIS BOOK WAS SPONSORED BY THE RESEARCH COMMITTEE ON INDUSTRIAL AND MUNICIPAL WASTES OF THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS, DESCRIBING RESEARCH SPONSORED BY DOE OFFICE OF RENEWABLE TECHNOLOGY, BIOFUELS AND MUNICIPAL WASTE TECHNOLOGY DIVISION. IT IS A COMPILATION OF THERMODYNAMIC DATA ON MORE THAN 600 MATERIALS. INFORMATION PRESENTED REGARDS PHYSICAL STATE, COMPOSITION OR CHARACTER, KIND OF THERMODYNAMIC PROPERTY REPORTED, SPECIFIC PROPERTY VALUES, AND CITATIONS TO THE REFERENCE LIST. THE FOUR APPENDIXES CONTAIN: AN EMPIRICAL FORMULA THAT ALLOWS HEATS OF COMBUSTION OF CARBONACEOUS MATERIALS TO BE PREDICTED WITH CONSIDERABLE ACCURACY ON THE BASIS OF ITS ELEMENTAL COMPOSITION; AN ADDITIONAL LIST OF SOME REPORTS CONTAINING HEATS OF COMBUSTION; SYMBOLS, UNITS, CONVERSION FACTORS, AND ATOMIC WEIGHTS; AND HOW THE DATA CAN BE CONVERTED TO DIFFERENT BASES (AS-DETERMINED, AS-RECEIVED, DRY, OR ASH-FREE).

AVAILABILITY: AMERICAN SOCIETY OF MECHANICAL ENGINEERS, 345 E. 47TH ST., NEW YORK, NY 10017

IRIS ACCESSION NUMBER: EW015498

PUBLICATION DATE: 88

TITLE: FLOW MEASUREMENTS FOR ENGINEERS AND SCIENTISTS.

PERSONAL AUTHOR: CHEREMISINOFF, N.P.; CHEREMISINOFF, P.M.

DESCRIPTOR: *FLOW MEASUREMENT; *FLUID FLOW; *INSTRUMENTATION; *PROCESS CONTROLS; *REFERENCE MATERIALS; *INSTRUCTIONAL MATERIALS; *POSTSECONDARY EDUCATION

DESCRIPTIVE NOTE: 408P. $99.00

ABSTRACT: THIS BOOK CONTAINS INFORMATION ON INSTRUMENTATION AND EXPERIMENTAL METHODS FOR OBTAINING DETAILED INFORMATION ON THE STRUCTURE OF VARIOUS TYPES OF FLOWS, AS WELL AS STANDARD PROCESS FLOW INSTRUMENTATION SUITABLE FOR INDUSTRIAL CONTROL APPLICATIONS. A VARIETY OF FIGURES AND DIAGRAMS HELP TO CLARIFY AND EXPLAIN THE IDEAS PRESENTED.

AVAILABILITY: MARCEL DEKKER, INC., 207 MADISON AVE., NEW YORK, NY 10016

IRIS ACCESSION NUMBER: EW015499

PUBLICATION DATE: 87

TITLE: HEALTH EFFECTS FROM HAZARDOUS WASTE SITES.

PERSONAL AUTHOR: ANDELMAND, J.B., ED.; UNDERHILL, D.W., ED.

DESCRIPTOR: *HAZARDOUS WASTES; *HAZARDOUS WASTE SITES; *HEALTH EFFECTS; *MONITORING; *RISK ASSESSMENT; *PUBLIC HEALTH; *RESEARCH REVIEWS; *WASTE DISPOSAL; *WASTE SITES; *POLLUTION CONTROL

DESCRIPTIVE NOTE: 294P. $49.95

ABSTRACT: THIS PUBLICATION CONTAINS A REVIEW OF THE STATE-OF-THE-ART OF THE EXPOSURE AT HAZARDOUS WASTE SITES, A HISTORICAL REVIEW OF RISK PERCEPTION IN WASTE DISPOSAL, TRENDS IN MONITORING, ASSESSING PATHWAYS TO HUMAN POPULATIONS, AND HEALTH RISKS.

AVAILABILITY: LEWIS PUBLISHERS, 121 WEST MAIN ST., PO DRAWER 519, CHELSEA, MI 48118

IRIS ACCESSION NUMBER: EW015501

PUBLICATION DATE: SEP 86

TITLE: WATER EDUCATION CURRICULA: A COMPENDIUM.

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; *CURRICULUM; *ELEMENTARY EDUCATION; *ENVIRONMENTAL EDUCATION; *INSTRUCTIONAL MATERIALS; *SCIENCE EDUCATION; *SECONDARY EDUCATION; *WATER QUALITY; *WATER RESOURCES; *WATER SUPPLY; *WATER TREATMENT; *WATER USE; *WATER CONSERVATION; *CALIFORNIA

DESCRIPTIVE NOTE: 62P. FREE

ABSTRACT: THIS PUBLICATION PROVIDES A LISTING AND DESCRIPTION OF SELECTED INSTRUCTIONAL MATERIALS FOR TEACHING ABOUT WATER. INFORMATION IS INCLUDED ON GRADE LEVEL, COSTS, AVAILABILITY, AND CONTENT. ENTRIES ARE INCLUDED FOR BOTH ELEMENTARY AND SECONDARY EDUCATION.

AVAILABILITY: DEPT. OF WATER RESOURCES, PO BOX 942836, SACRAMENTO, CA 94236-0004

IRIS ACCESSION NUMBER: EW015502

PUBLICATION DATE: 88

TITLE: GARBAGE IN EUROPE: TECHNOLOGIES, ECONOMICS AND TRENDS.

DESCRIPTOR: *ECONOMICS; *EUROPE; *GARBAGE; *RESOURCE RECOVERY; *TECHNOLOGY; *SOLID WASTES; *WASTE DISPOSAL; *WASTE REDUCTION

DESCRIPTIVE NOTE: 260P. $225.00

ABSTRACT: THIS REPORT DOCUMENTS CASES OF SEVERAL EUROPEAN CITIES THAT HAVE DIVERTED OVER 50 PERCENT OF THEIR SOLID WASTES THROUGH SOURCE SEPARATION AND MECHANICAL PROCESSING PRIOR TO LANDFILLING OR INCINERATION. INCLUDED IS A STATISTICAL ANALYSIS OF OPERATIONS AND FINANCIAL EXPERIENCE OF 33 PROJECTS IN SEVEN EUROPEAN COUNTRIES. AN OVERVIEW OF SOLID WASTE MANAGEMENT IN WESTERN EUROPE AND TRENDS IS ALSO INCLUDED.

AVAILABILITY: ILSR, 2425 185H ST., NW, WASHINGTON, DC 20009

IRIS ACCESSION NUMBER: EW015503

PUBLICATION DATE: OCT 88

TITLE: UNIT PROCESS TRADEOFFS FOR COMBINED TRICKLING FILTER AND ACTIVATED SLUDGE PROCESSES.

PERSONAL AUTHOR: NEWBRY, BROOKS W.; AND OTHERS

DESCRIPTOR: *ACTIVATED SLUDGE PROCESSES; *OPERATIONS (WASTEWATER); *PERFORMANCE EVALUATION; *TRICKLING FILTERS; *PILOT STUDIES; *UNIT PROCESSES; *WASTEWATER TREATMENT; *WATER QUALITY

DESCRIPTIVE NOTE: 1813-821P.

ABSTRACT: TRADEOFFS IN SIZING THE BIOLOGICAL TREATMENT COMPONENTS OF COMBINED TRICKLING FILTER/ACTIVATED SLUDGE PROCESSES WERE INVESTIGATED. RESULTS ARE REPORTED.

AVAILABILITY: WATER POLLUTION CONTROL FEDERATION JOURNAL; V60 N10

IRIS ACCESSION NUMBER: EW015504

PUBLICATION DATE: OCT 88

TITLE: ANAEROBIC FLUIDIZED BED TREATMENT OF AN INDUSTRIAL WASTEWATER.

PERSONAL AUTHOR: CHEN, SHUI J.; AND OTHERS

DESCRIPTOR: *ANAEROBIC TREATMENT; *FLUIDIZED BIOFILM REACTORS; *CORN STARCH; *INDUSTRIAL WASTES; *INDUSTRIAL WASTEWATER; *OPERATIONS (WASTEWATER); *PERFORMANCE EVALUATION; *PRETREATMENT; *WASTEWATER TREATMENT; *WATER QUALITY

DESCRIPTIVE NOTE: 1826-832P.

ABSTRACT: THE ANAEROBIC FLUIDIZED BED BIOFILM REACTOR WAS EVALUATED AS A MEANS FOR CORN STARCH WASTEWATER PRETREATMENT. RESULTS ARE REPORTED.

AVAILABILITY: WATER POLLUTION CONTROL FEDERATION JOURNAL; V60 N10

IRIS ACCESSION NUMBER: EW015505

PUBLICATION DATE: OCT 88

TITLE: ENHANCED SECONDARY TREATMENT INCORPORATING BIOLOGICAL NUTRIENT REMOVAL.

PERSONAL AUTHOR: DIAGGER, GLEN T.; AND OTHERS

DESCRIPTOR: *BIOLOGICAL TREATMENT; *COSTS; *SECONDARY TREATMENT; *NITROGEN; *OPERATIONS (WASTEWATER); *PHOSPHORUS; *PERFORMANCE EVALUATION; *WASTEWATER TREATMENT; *PILOT STUDIES; *VIRGINIA INITIATIVE PLANT PROCESS

DESCRIPTIVE NOTE: 1833-842P.

ABSTRACT: A PILOT PLANT PROGRAM TESTED A BIOLOGICAL NITROGEN AND PHOSPHORUS REMOVAL CONCEPT FOR SECONDARY TREATMENT DESIGN. RESULTS ARE REPORTED.

AVAILABILITY: WATER POLLUTION CONTROL FEDERATION JOURNAL; V60 N10

IRIS ACCESSION NUMBER: EW015506

PUBLICATION DATE: OCT 88

TITLE: TOXICITY OF SELECTED RCRA COMPOUNDS TO ACTIVATED SLUDGE MICROORGANISMS.

PERSONAL AUTHOR: VOLSKAY, V.T., JR.; GRADY, C.P. LESLIE, JR.

DESCRIPTOR: *ACTIVATED SLUDGE; *CHEMICALS; *INHIBITION; *MICROORGANISMS; RESPIRATION; *TOXIC SUBSTANCES; *ANALYTICAL TECHNIQUES; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 1850-856P.

ABSTRACT: A MODIFIED OECD METHOD 209, "ACTIVATED SLUDGE, RESPIRATION INHIBITION TEST," WAS APPLIED TO 33 COMPOUNDS ON THE RCRA LIST THAT HAVE BEEN FOUND IN MUNICIPAL WASTEWATER. RESULTS INDICATED THAT MANY OF THE INHIBITORY COMPOUNDS COULD BE CHARACTERIZED BY SIMPLE LINEAR, REVERSIBLE, INHIBITION MODELS.

AVAILABILITY: WATER POLLUTION CONTROL FEDERATION JOURNAL; V60 N10

IRIS ACCESSION NUMBER: EW015507

PUBLICATION DATE: OCT 88

TITLE: KINETICS OF LOW SOLIDS BIO-DENITRIFICATION OF WATER SUPPLIES.

PERSONAL AUTHOR: LEE, YONG WOON; DAHAB, MOHAMED F.

DESCRIPTOR: *BIOLOGICAL TREATMENT; *GROUNDWATER; *DENITRIFICATION; *NITRATES; *OPERATIONS (WATER); *WATER SUPPLY; *WATER QUALITY; *WATER TREATMENT

DESCRIPTIVE NOTE: 1857-861P.

ABSTRACT: THIS STUDY INVESTIGATED THE POTENTIAL OF BIOLOGICAL DENITRIFICATION FOR NITRATE REMOVAL FROM WATER SUPPLIES. A SIMPLIFIED KINETIC MODEL TO APPROXIMATE THE SUBSTRATE UTILIZATION RATE IN ATTACHED BIOFILMS IS PRESENTED.

AVAILABILITY: WATER POLLUTION CONTROL FEDERATION JOURNAL; V60 N10

IRIS ACCESSION NUMBER: EW015508

PUBLICATION DATE: JUN 88

TITLE: EVALUATION OF TWO NEW OIL SPILL CHEMICAL ADDITIVES: ELASTOL AND DEMOUSSIFIER.

PERSONAL AUTHOR: FINGAS, MERV; TENNYSON, ED

DESCRIPTOR: *EMERGENCY CLEANUP; *ELASTOL; *OIL SPILLS; *DEMOUSSIFIER; *CHEMICAL ADDITIVES; *WATER POLLUTION CONTROL

DESCRIPTIVE NOTE: 40-46P.

ABSTRACT: DESCRIBED IS THE TESTING OF TWO OIL SPILL CHEMICAL ADDITIVES, ELASTOL AND DEMOUSSIFIER. RESULTS OF THE TESTS AND CONCLUSIONS ARE REPORTED.

AVAILABILITY: SPILL TECHNOLOGY NEWSLETTER; V13 N2

IRIS ACCESSION NUMBER: EW015509

PUBLICATION DATE: SEP 88

TITLE: REGULATION AND POLICY MATRICES - A GUIDE TO THE RULES GOVERNING GRANTS AWARDED UNDER THE CONSTRUCTION GRANTS PROGRAM-UPDATE 1988.

DESCRIPTOR: *CONSTRUCTION GRANTS; *CONSTRUCTION GRANTS PROGRAM; *FACILITIES; *POLICIES; *REGULATIONS; *USEPA; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 41P. $3.46

ABSTRACT: THIS IS THE 1988 UPDATE FOR THE CONSTRUCTION GRANTS PROGRAM "REGULATION AND POLICY MATRICES." THE NEXT ANNUAL UPDATE IS SCHEDULED FOR SEPTEMBER, 1989.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS RD., RM. 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW015510

PUBLICATION DATE: 88

TITLE: UNIT PROCESSES: BIOLOGICAL FILTRATION. MANUALS OF BRITISH PRACTICE IN WATER POLLUTION CONTROL.

DESCRIPTOR: *BIOLOGICAL FILTRATION; *DESIGN; *FILTRATION; *OPERATIONS (WASTEWATER); *UNIT PROCESSES; *WASTEWATER TREATMENT; *WATER POLLUTION CONTROL

DESCRIPTIVE NOTE: 133P.

ABSTRACT: THIS PUBLICATION PRESENTS A COMPREHENSIVE ACCOUNT OF ALL ASPECTS OF THE BIOLOGICAL FILTRATION PROCESS. A BRIEF HISTORY OF BIOLOGICAL FILTRATION IS FOLLOWED BY A DETAILED EXPOSITION OF THE BIOLOGY OF THE PROCESS. INCLUDED ARE DESCRIPTIONS AND DRAWINGS OF THE MAIN ORGANISMS OF THE BIOLOGICAL FILM COMMUNITY, AND AN EXPLANATION OF THEIR ROLE IN THE PURIFICATION PROCESS. DESIGN ASPECTS CONSIDERED INCLUDE CIVIL ENGINEERING STRUCTURES, DIMENSIONS, FLOORING MATERIALS, AND PIPE WORK. ALL THE MAIN TYPES OF FILTER MEDIA, INCLUDING THE OLDER TRADITIONAL MATERIALS, ARE DEALT WITH AS WELL AS MODULAR AND RANDOM TYPE PLASTICS MEDIA. THE SECTION ON DISTRIBUTORS DEALS WITH THOSE CURRENTLY IN USE AND INCLUDES INFORMATION ON DOSING SIPHONS AND HYDRAULIC CONSIDERATIONS. IT IS SUPPORTED BY NUMEROUS LINE DRAWINGS AND PHOTOGRAPHS. THE OPERATION OF BIOLOGICAL FILTERS AND THEIR APPLICATION TO SMALL COMMUNITIES IS ALSO CONSIDERED; DISCUSSED ARE SINGLE -AND TWO-STAGE FILTRATION, COMMISSIONING, NITRIFYING FILTERS, OPERATION, PERFORMANCE, AND PROBLEMS AND THEIR CONTROL. ROTATING BIOLOGICAL CONTACTORS ARE THE SUBJECT OF A SEPARATE CHAPTER AND THE FINAL CHAPTER DEALS WITH OTHER CAPTIVE FILM SYSTEMS. THE KINETICS OF MICROBICAL GROWTH AND EMPIRICAL MODELLING OF PERFORMANCE ARE THE SUBJECT OF TWO APPENDICES.

AVAILABILITY: THE INSTITUTION OF WATER AND ENVIRONMENTAL MANAGEMENT, 15 JOHN ST., LONDON WC1N 2EB, UNITED KINGDOM

IRIS ACCESSION NUMBER: EW015511

PUBLICATION DATE: DEC 87

TITLE: ACID RAIN: THE VIEW FROM THE STATES.

DESCRIPTOR: *AIR POLLUTION CONTROL; *ACID RAIN; *CONFERENCE PROCEEDINGS; *EMISSIONS; *LEGISLATION; *POLLUTION CONTROL; *STATE ROLE; *FEDERAL ROLE; *TECHNOLOGY

DESCRIPTIVE NOTE: 190P. $58.00 PLUS $3.00 SHIPPING AND HANDLING PER BOOK MD RESIDENTS ADD 5% SALES TAX

ABSTRACT: THIS PROCEEDINGS BOOK PRESENTS AN IN-DEPTH LOOK BY 25 EXPERTS AT THE APPROACHES INDIVIDUAL STATES HAVE TAKEN IN PASSING ACID RAIN LEGISLATION ESTABLISHING STANDARDS FOR EMISSIONS, IN PREVENTING FUTURE PROBLEMS, AND IN REMEDYING THEIR EXISTING SITUATIONS.

AVAILABILITY: GOVERNMENT INSTITUTES, INC., 966 HUNGERFORD DR., NO. 24, ROCKVILLE, MD 20850

IRIS ACCESSION NUMBER: EW015513

PUBLICATION DATE: 88

TITLE: CONTROL OF INDUSTRIAL CHEMICAL HAZARDS. TWO VOLUME SET.

PERSONAL AUTHOR: CARSON, P.A.; MUMFORD, C.J.

DESCRIPTOR: *ACCIDENT PREVENTION; *CHEMICALS; *CHEMICAL STORAGE; *CHEMICAL HANDLING; *CHEMICAL TRANSPORT; *CHEMICAL DISPOSAL; *SAFETY; *HAZARDOUS MATERIALS; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 1300P. $195.00 ADD $10.00 SHIPPING AND HANDLING

ABSTRACT: THIS IS A TWO-VOLUME SET ON THE SAFE HANDLING OF CHEMICALS IN THE LABORATORY, FACTORY, OR SCHOOL. PROVIDED ARE GUIDELINES ON THE SAFE STORAGE, TRANSPORT, HANDLING, AND DISPOSAL OF COMMONLY USED CHEMICALS. SECTIONS ARE INCLUDED ON THE FOLLOWING TOPICS: (1) GENERAL FACTORY SAFETY; (2) PHYSICO-CHEMICAL PRINCIPLES AND SAFETY; (3) FLAMMABLE MATERIALS HANDLING; (4) TOXICOLOGY; (5) CONTROL MEASURES FOR HANDLING TOXIC SUBSTANCES; (6) AMBIENT AIR ANALYSIS FOR HAZARDOUS SUBSTANCES; (7) RADIOACTIVE CHEMICALS; (8) SAFETY WITH CHEMICAL ENGINEERING OPERATIONS; (9) HAZARDOUS CHEMICAL PROCESSES; (10) SAFETY IN LABORATORIES AND PILOT PLANTS; (11) SAFETY IN CHEMICAL PROCESS PLANT DESIGN AND OPERATION; (12) SAFETY IN MARKETING AND TRANSPORTATION OF CHEMICALS; (13) WASTE DISPOSAL; (14) CONTROL OF HAZARDS FROM LARGE-SCALE INSTALLATIONS; (15) LEGISLATIVE CONTROLS; (16) MANAGEMENT OF SAFETY AND LOSS PREVENTION; AND (17) CHEMICAL SAFETY INFORMATION.

AVAILABILITY: CHEMICAL PUBLISHING CO., INC., 80 EIGHTH AVE., DEPT. 689, NEW YORK, NY 10011

IRIS ACCESSION NUMBER: EW015514

PUBLICATION DATE: 87

TITLE: INTRODUCTION OF RECOMBINANT DNA-ENGINEERED ORGANISMS INTO THE ENVIRONMENT: KEY ISSUES.

DESCRIPTOR: *BIOLOGY; *BIOTECHNOLOGY; *ECOLOGY; *ENVIRONMENTAL IMPACTS; *ISSUES; *RECOMBINANT DNA; *RISK ASSESSMENT; *PUBLIC HEALTH

DESCRIPTIVE NOTE: 24P. FREE, WHILE SUPPLIES LAST

ABSTRACT: THIS PAPER WAS ISSUED TO ASSESS IN A RATIONAL MANNER ABOUT POSSIBLE ADVERSE ENVIRONMENTAL EFFECTS OF RECOMBINANT DNA TECHNIQUES. THE PAPER DRAWS UPON RESEARCH AND PAST EXPERIENCE IN THESE AREAS AND APPLIES THE RELEVANT SCIENTIFIC PRINCIPLES TO THE ISSUES. THE PAPER WAS PREPARED BY A COMMITTEE OF BIOLOGISTS.

AVAILABILITY: BOARD ON BASIC BIOLOGY, NATIONAL RESEARCH COUNCIL, 2101 CONSTITUTION AVE., NW, WASHINGTON, DC 20418

IRIS ACCESSION NUMBER: EW015516

PUBLICATION DATE: DEC 87

TITLE: IRIS: A COMPILATION OF ABSTRACTS TO WATER QUALITY AND WATER RESOURCES MATERIALS. SUPPLEMENT 32.

DESCRIPTOR: *ABSTRACTS; CITIZEN PARTICIPATION; ECOLOGICAL FACTORS; *ENVIRONMENTAL EDUCATION; HAZARDOUS MATERIALS; PESTICIDES; POISONS; SCIENTIFIC AND TECHNICAL INFORMATION; UTILITIES; WASTE DISPOSAL; *WASTEWATER; *WATER POLLUTION; *WATER QUALITY; WATER RESOURCES; *WATER TREATMENT; *WASTEWATER TREATMENT; SOLID WASTES; *OPERATIONS (WASTEWATER); *OPERATIONS (WATER)

DESCRIPTIVE NOTE: 95P. SUBSCRIPTION: $12.00 PRICE: $5.00 EACH

ABSTRACT: THE ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER IN COLUMBUS, OH, ACQUIRES, REVIEWS, INDEXES, AND ANNOUNCES BOTH PRINT (BOOKS, MODULES, UNITS, ETC.) AND NON-PRINT (FILMS, SLIDES, VIDEO TAPES, ETC.) MATERIALS RELATED TO WATER QUALITY AND WATER RESOURCES EDUCATION AND INSTRUCTION. THIS PUBLICATION CONTAINS ABSTRACTS AND INDEXES TO SELECTED MATERIALS RELATED TO WASTEWATER TREATMENT AND WATER QUALITY EDUCATION AND INSTRUCTION. IN ADDITION, SOME MATERIALS RELATED TO PESTICIDES, HAZARDOUS WASTES, AND PUBLIC PARTICIPATION ARE INCLUDED. EACH ENTRY IN THE RESUME SECTION OF THIS DOCUMENT PROVIDES, WHERE APPROPRIATE: (1) THE TITLE; (2) THE PUBLICATION DATE; (3) THE NAME (S) OF THE AUTHOR (S); (4) A SET OF DESCRIPTORS ASSIGNED TO THE ENTRY FOR THE PURPOSE OF INDEXING; (5) THE NUMBER OF PAGES; (6) AN ABSTRACT DESCRIBING THE ENTRY; AND (7) INFORMATION ON THE AVAILABILITY OF THE COMPLETE DOCUMENT. ALSO INCLUDED IN THIS PUBLICATION ARE PROCEDURES TO ILLUSTRATE HOW INSTRUCTORS AND CURRICULUM DEVELOPERS IN THE WATER QUALITY CONTROL FIELD CAN LOCATE INSTRUCTIONAL MATERIALS WHICH MEET GENERAL OR HIGHLY SPECIFIC REQUIREMENTS OF THEIR PROGRAMS. THIS PUBLICATION SUPPLEMENTS, BUT DOES NOT REPLACE, SUPPLEMENTS 1-31.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS RD., RM. 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW015520

PUBLICATION DATE: OCT 88

TITLE: A POSITIVE CLIMATE: KEY ISSUES IN SOLID WASTE COMPOSTING.

PERSONAL AUTHOR: GOLDSTEIN, NORA

DESCRIPTOR: *COMPOSTING; *ECONOMICS; *MARKETING; *WASTE MANAGEMENT; *RESOURCE RECOVERY; RECYCLING; *SOLID WASTES; *WASTE DISPOSAL; *WASTE REDUCTION; *WASTE COLLECTION

DESCRIPTIVE NOTE: 29-35P.

ABSTRACT: THIS ARTICLE PROVIDES AN OVERVIEW OF KEY ISSUES IN SOLID WASTE COMPOSTING. SURVEYED WERE OVER 40 COMMUNITIES OR COUNTRIES INVOLVED IN PLANNING OR OPERATING SOLID WASTE COMPOSTING PROJECTS.

AVAILABILITY: BIOCYCLE; V29 N9

IRIS ACCESSION NUMBER: EW015521

PUBLICATION DATE: OCT 88

TITLE: FACILITY MANAGEMENT: OPTIONS FOR MUNICIPAL LEAF COMPOSTING.

DESCRIPTOR: *COMPOSTING; *COSTS; *LEAVES; *SOLID WASTES; *TECHNOLOGY; *WASTE COLLECTION; *WASTE DISPOSAL; *WASTE MANAGEMENT

DESCRIPTIVE NOTE: 38-43P.

ABSTRACT: DESCRIBED ARE METHODS FOR COMPOSTING LEAVES BY MUNICIPALITIES.

AVAILABILITY: BIOCYCLE; V29 N9

IRIS ACCESSION NUMBER: EW015522

PUBLICATION DATE: OCT 88

TITLE: CHARTING THE BEST COURSE: RECYCLING ECONOMICS BENEFIT-COST ANALYSIS.

PERSONAL AUTHOR: GLENN, JIM

DESCRIPTOR: *ECONOMICS; *BENEFITS; *COSTS; *PLANNING; *RECYCLING; *WASTE MANAGEMENT

DESCRIPTIVE NOTE: 44-47P.

ABSTRACT: PRESENTED ARE PROCEDURES FOR AN ECONOMIC ANALYSIS OF RECYCLING OPERATIONS. PROCEDURES FOR DETERMINING BENEFITS AND COSTS ARE INCLUDED.

AVAILABILITY: BIOCYCLE; V29 N9

IRIS ACCESSION NUMBER: EW015523

PUBLICATION DATE: OCT 88

TITLE: BEDDING STRAW: ALTERNATIVE BULKING AGENT FOR SLUDGE COMPOSTING-PART ONE.

PERSONAL AUTHOR: HAY, JONATHAN; AND OTHERS

DESCRIPTOR: *BULKING AGENTS; *COMPOSTING; *COSTS; *PERFORMANCE EVALUATION; *SLUDGE; *STRAW; *SEWAGE SLUDGE; *WASTE MANAGEMENT; *WASTE DISPOSAL

DESCRIPTIVE NOTE: 48-52P.

ABSTRACT: REPORTED IS THE USE OF STRAW AS A BULKING AGENT FOR COMPOSTING SEWAGE SLUDGE. THE PURPOSE OF USING STRAW WAS TO REDUCE THE COSTS OF COMPOSTING DUE TO INCREASING COSTS OF

SAWDUST. RESULTS ARE REPORTED.

AVAILABILITY: BIOCYCLE; V29 N9

IRIS ACCESSION NUMBER: EW015524

PUBLICATION DATE: OCT 88

TITLE: FEASIBLE AND COST EFFECTIVE: FOREST LAND APPLICATION OF MUNICIPAL SLUDGE.

PERSONAL AUTHOR: BROCKWAY, DALE G.

DESCRIPTOR: *AGRICULTURE; *ECONOMICS; *COSTS; *FORESTS; *LAND APPLICATION; *SLUDGE; *RESOURCE RECOVERY; *WASTE DISPOSAL; *MICHIGAN

DESCRIPTIVE NOTE: 62-67P.

ABSTRACT: REPORTED ARE THE RESULTS OF USING MUNICIPAL SLUDGE ON FOREST LAND IN MICHIGAN. RESULTS INDICATED THE PROCEDURES WERE FEASIBLE AND COST EFFECTIVE.

AVAILABILITY: BIOCYCLE; V29 N9

IRIS ACCESSION NUMBER: EW015538

PUBLICATION DATE: 88

TITLE: PROCEEDINGS OF THE SYMPOSIUM ON WATER-USE DATA FOR WATER RESOURCES MANAGEMENT.

PERSONAL AUTHOR: WATERSTONE, MARVIN, ED.; BURT, R. JOHN, ED.

DESCRIPTOR: *CONFERENCE PROCEEDINGS; *DATA COLLECTION; *DATA USE; *MANAGEMENT; *WATER RESOURCES; *WATER SUPPLY; *WATER USE; *WATER NEEDS; *WATER QUALITY

DESCRIPTIVE NOTE: 830P. AWRA MEMBER: $49.00 NON-MEMBER: $59.00 ADD POSTAGE & HANDLING - $5.00/EACH BOOK

ABSTRACT: THIS VOLUME CONTAINS 84 PAPERS BY ECONOMISTS, LAWYERS, WATER MANAGERS, BIOLOGISTS, AND OTHERS ON PROGRAMS AND TECHNIQUES FOR WATER DATA COLLECTION AND WATER DATA USE. THE PAPERS RESULTED FROM A SYMPOSIUM ON THE TOPICS.

AVAILABILITY: AMERICAN WATER RESOURCES ASSOCIATION, 5410 GROSVENOR LANE, SUITE 220, BETHESDA, MD 20814-2192

IRIS ACCESSION NUMBER: EW015539

PUBLICATION DATE: 88

TITLE: PROCEEDINGS OF THE SYMPOSIUM ON THE GREAT LAKES: LIVING WITH NORTH AMERICA'S INLAND WATERS.

PERSONAL AUTHOR: HICKCOX, DAVID H.

DESCRIPTOR: *CONFERENCE PROCEEDINGS; *GREAT LAKES; *LAKES; *MANAGEMENT; *WATER QUALITY; *WATER RESOURCES; *WATER SUPPLY; *POLLUTION CONTROL

DESCRIPTIVE NOTE: 296P. AWRA MEMBER: $36.00 NONMEMBER: $45.00 ADD POSTAGE & HANDLING- $4.00/EACH BOOK

ABSTRACT: THIS PUBLICATION CONTAINS 31 PAPERS FROM A SYMPOSIUM ON THE GREAT LAKES. THE PUBLICATION CONTAINS SIX SECTIONS THAT IDENTIFY NEEDS, PROBLEMS, AND SOME POTENTIAL SOLUTIONS.

AVAILABILITY: AMERICAN WATER RESOURCES ASSOCIATION, 5410 GROSVENOR LN., SUITE 220, BETHESDA, MD 20814-2192

IRIS ACCESSION NUMBER: EW015540

TITLE: PROCEEDINGS OF THE SYMPOSIUM ON NONPOINT POLLUTION: 1988- POLICY, ECONOMY, MANAGEMENT, AND APPROPRIATE TECHNOLOGY.

PERSONAL AUTHOR: NOVOTNY, VLADIMIR, ED.

DESCRIPTOR: *CONFERENCE PROCEEDINGS; *APPROPRIATE TECHNOLOGY; *ECONOMICS; *MANAGEMENT; *NONPOINT POLLUTION; *POLICIES; *POLLUTION CONTROL; *STORMWATER MANAGEMENT; *GROUNDWATER; *SURFACE WATER

DESCRIPTIVE NOTE: 314P. AWRA MEMBER: $36.00; NONMEMBER: $45.00 ADD POSTAGE & HANDLING--$4.00/EACH BOOK

ABSTRACT: THIS IS A PROCEEDINGS OF A SYMPOSIUM ON NONPOINT POLLUTION. THE VOLUME CONTAINS 32 PAPERS THAT ARE DIVIDED INTO SIX SECTIONS: (1) POLICIES OF NONPOINT POLLUTION ABATEMENT; (2) ECONOMICS, ECONOMIC EFFICIENCY, AND EQUITY OF PROGRAMS; (3) NPS ABATEMENT PROGRAMS; (4) URBAN STORMWATER MANAGEMENT - LEGAL AND INSTITUTIONAL ASPECTS; (5) INNOVATIVE APPROACHES TO URBAN STORMWATER MANAGEMENT; AND (6) SURFACE AND GROUND WATER QUALITY IMPACT OF DIFFUSE POLLUTION AND ITS MITIGATION.

AVAILABILITY: AMERICAN WATER RESOURCES ASSOCIATION, 5410 GROSVENOR LN., SUITE 220, BETHESDA, MD 20814-2192

IRIS ACCESSION NUMBER: EW015541

PUBLICATION DATE: 88

TITLE: POLLUTION ENGINEERING: FLOW SHEETS FOR WASTEWATER TREATMENT.

PERSONAL AUTHOR: CHEREMISINOFF, PAUL N., ED.

DESCRIPTOR: *DRAWINGS; *FLOW SHEETS; *EQUIPMENT; *OPERATIONS (WASTEWATER); *UNIT PROCESSES; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 300P. $29.95 IL RESIDENTS ADD 7% SALES TAX

ABSTRACT: THIS PUBLICATION CONTAINS SCHEMATIC DRAWINGS AND FLOW DIAGRAMS OF SYSTEMS FOR CHEMICAL FEEDING, CHLORINATION, SUSPENDED SOLIDS REMOVAL, AEROBIC TREATMENT, ACTIVATED SLUDGE, TRICKLING FILTERS, NITRIFICATION, AMMONIA SHIPPING, SLUDGE HANDLING, CARBON ABSORPTION, AND ION EXCHANGE.

AVAILABILITY: PUDVAN PUBLISHING CO., INC., 1935 SHERMER RD., NORTHBROOK, IL 60062

IRIS ACCESSION NUMBER: EW015542

PUBLICATION DATE: 87

TITLE: THE STATE OF THE ENVIRONMENT- UNITED NATIONS ENVIRONMENT PROGRAMME.

PERSONAL AUTHOR: EL-HINNAWI, ESSAM; HASHMI, MANZUR H., ED.

DESCRIPTOR: *AIR QUALITY; *CHEMICALS; *HAZARDOUS WASTES; *ENVIRONMENT; *ENERGY; *STATUS REPORTS; *HEALTH; *ECONOMICS; *SOCIAL ISSUES; *POLLUTION; *POLLUTION CONTROL; *WATER QUALITY; *LAND USE; *FOOD PRODUCTION; *UNITED NATIONS

DESCRIPTIVE NOTE: 182P. $79.95

ABSTRACT: THE UNITED NATIONS ENVIRONMENT PROGRAMME HAS ISSUED ANNUAL REPORTS ON THE STATE OF THE ENVIRONMENT SINCE 1974. THIS VOLUME REPRESENTS THE CONSOLIDATION AND UPDATING OF THESE REPORTS. CHAPTERS ARE DEVOTED TO, AIR QUALITY AND ATMOSPHERIC ISSUES, LAND, WATER AND FOOD PRODUCTION, ENERGY AND TRANSPORT, CHEMICALS AND HAZARDOUS WASTES, ENVIRONMENTAL HEALTH, MILITARY ACTIVITY, AND SOCIAL AND ECONOMIC ISSUES. EACH OF THE CHAPTERS GIVES A GLOBAL VIEW OF THE STATE OF AFFAIRS AND IN ADDITION IDENTIFIES SIGNIFICANT REGIONAL OR SOCIOECONOMIC DIFFERENCES. QUESTIONABLE OR INADEQUATE DATA WHICH PRECLUDES ASSESSMENT IS IDENTIFIED.

AVAILABILITY: BUTTERWORTHS, 80 MONTVALE AVE., STONEHAM, MA 02180

IRIS ACCESSION NUMBER: EW015543

PUBLICATION DATE: 88

TITLE: PRACTICAL ENGINEERING SOLUTIONS: HAZARDOUS WASTE SITE REMEDIATION- THE ENGINEERING PERSPECTIVE.

PERSONAL AUTHOR: BELLANDI, ROBERT, ED.

DESCRIPTOR: CASE STUDIES; HAZARDOUS MATERIALS; *HAZARDOUS WASTES; ENVIRONMENTAL LAWS; *LANDFILLS; *LAGOONS; *SITE REMEDIATION; WASTE DISPOSAL; *WASTE DUMPS; *POLLUTION CONTROL; *ENGINEERING

DESCRIPTIVE NOTE: 400P. $38.95 PLUS LOCAL SALES TAX

ABSTRACT: THIS PUBLICATION PROVIDES INFORMATION ON HOW SITES CONTAINING HAZARDOUS WASTE DUMPS CAN BE REMEDIATED AND RESTORED. THE BOOK ALSO TRACES THE EVOLUTION OF ENVIRONMENTAL LAWS. IT ALSO INCLUDES A CHAPTER ON MATHEMATICAL MODELLING THAT MAKES EXTENSIVE USE OF CASE STUDIES.

AVAILABILITY: VAN NOSTRAND REINHOLD, MAIL ORDER DEPT., PO BOX 668, FLORENCE, KY 41022-9979

IRIS ACCESSION NUMBER: EW015544

PUBLICATION DATE: 88

TITLE: BACKFLOW RECORDS SOFTWARE.

DESCRIPTOR: *BACKFLOW PREVENTION; *COMPUTER APPLICATIONS; *COMPUTER SOFTWARE; *CROSS-CONNECTION CONTROL; *MAINTENANCE; *WATER DISTRIBUTION; *WATER SUPPLY; *DRINKING WATER; *RECORDKEEPING

DESCRIPTIVE NOTE: COMPUTER SOFTWARE, MANUAL PRICE: $698.00 CO RESIDENTS: ADD SALES TAX

ABSTRACT: THIS SOFTWARE PROGRAM CAN SIMPLIFY RECORD KEEPING NECESSARY IN CROSS-CONNECTION CONTROL PROGRAMS. THE SOFTWARE INCLUDES TWO INTERACTIVE DATA BASES: ONE TRACKS WATER SERVICES WHERE BACKFLOW PREVENTION ASSEMBLIES ARE LOCATED AND THE OTHER KEEPS TEST AND MAINTENANCE RECORDS FOR BACKFLOW PREVENTION ASSEMBLIES. THE PROGRAM PRINTS MAINTENANCE HISTORY REPORTS, LISTS BACKFLOW PREVENTION ASSEMBLIES BY CATEGORY AND GENERATES TESTS SCHEDULES AND WORK ORDERS. THE PROGRAM INCLUDES A MASTER FIELD INSPECTION FORM WHICH MAY BE COPIED FOR ACCURATE FIELD DATA COLLECTION. A THREE-RING BINDER WITH TABS IS INCLUDED FOR ORGANIZED STORAGE OF THE COMPUTER-GENERATED REPORTS. BACKFLOW RECORDS SOFTWARE RUNS ON PC TRUE-COMPATIBLES WITH AT LEAST 384K MEMORY AND DOS VERSION 2.0 OR HIGHER. THE PROGRAM WILL FUNCTION WITH MOST DISPLAYS AND PRINTERS.

AVAILABILITY: AMERICAN WATER WORKS ASSOCIATION, CUSTOMER SERVICES DEPT., 6666 W. QUINCY AVE., DENVER, CO 80235

IRIS ACCESSION NUMBER: EW015545

PUBLICATION DATE: 88

TITLE: SCREENING EQUIPMENT HANDBOOK FOR INDUSTRIAL AND MUNICIPAL WATER AND WASTEWATER TREATMENT.

DESCRIPTOR: *EQUIPMENT; *HANDBOOKS; *OPERATIONS (WATER); *OPERATIONS (WASTEWATER); *INDUSTRIAL TREATMENT; *MUNICIPAL TREATMENT; *WATER TREATMENT; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 270P. $39.95 PA RESIDENTS ADD 6% SALES TAX

ABSTRACT: THIS IS A GUIDE TO SCREENING EQUIPMENT FOR INDUSTRIAL AND MUNICIPAL WATER AND WASTEWATER TREATMENT. REVIEWED ARE MANY DIFFERENT TYPES OF EQUIPMENT WITH INFORMATION ON APPLICATIONS, DESIGN, FUNCTION AND OPERATION. SECTIONS ARE INCLUDED ON (1) TRAVELING WATER SCREENS, (2) INTAKE SCREENS, (3) FISH SCREENS, (4) BAR SCREENS, (5) FINE SCREENS, (6) MICROSCREENS, (7) SCREEN CONTROL SYSTEMS, (8)

CORROSION PROTECTION, (9) GLOSSARY, AND (10) BIBLIOGRAPHY.

AVAILABILITY: TECHNOMIC PUBLISHING CO., INC., 851 NEW HOLLAND AVE. BOX 3535, LANCASTER, PA 17604-9961

IRIS ACCESSION NUMBER: EW015546

PUBLICATION DATE: 88

TITLE: FLUVIAL PROCESSES IN RIVER ENGINEERING.

PERSONAL AUTHOR: CHANG, H.H.

DESCRIPTOR: *ENGINEERING; *ENVIRONMENT; *DESIGN; *RIVER FLOW; *RIVERS; *RIVER SEDIMENTATION; *SEDIMENT TRANSPORT

DESCRIPTIVE NOTE: 265P. $49.00

ABSTRACT: THIS BOOK PRESENTS AN ANALYTICAL TREATMENT OF RIVER MORPHOLOGY AND ITS RESPONSES TO ENVIRONMENTAL AND HUMAN-MADE CHANGES FROM THE ENGINEERING POINT OF VIEW. IT IS INTENDED PRIMARILY AS A TEXTBOOK ON RIVER SEDIMENTATION ENGINEERING. SUBJECT MATTER INCLUDES RIVER FLOW, RIVER CHANNEL FORMATION, THE PHYSICAL CHARACTERISTICS OF RIVERS, RESPONSES OF RIVERS TO NATURAL AND HUMAN-MADE CHANGES, AND ANALYTICAL METHODS OF DESIGN AND EVALUATION. ALSO PRESENTED ARE FUNDAMENTAL PRINCIPLES AND APPLICATIONS, AS WELL AS DIFFUSION AND SORTING IN NONEQUILLEBRIUM SEDIMENT TRANSPORT.

AVAILABILITY: JOHN WILEY & SONS, 605 THIRD AVE., NEW YORK, NY 10016

IRIS ACCESSION NUMBER: EW015547

PUBLICATION DATE: 88

TITLE: TREATMENT AND USE OF SEWAGE EFFLUENT FOR IRRIGATION.

PERSONAL AUTHOR: PESCOD, M.B., ED.; ARAR, A., ED.

DESCRIPTOR: *AGRICULTURE; *EFFLUENT; *IRRIGATION; *HEALTH; *RESOURCE RECOVERY; *OPERATIONS (WASTEWATER); *WASTEWATER TREATMENT; *WATER REUSE

DESCRIPTIVE NOTE: 388P. $150.00

ABSTRACT: BASED ON THE PROCEEDINGS OF THE FAO REGIONAL SEMINAR ON THE TREATMENT AND USE OF SEWAGE EFFLUENT IRRIGATION, HELD IN NICOSIA, CYPRUS, OCTOBER 7-9, 1985, THIS BOOK INCLUDES INFORMATION ON A LIST OF TOPICS, INCLUDING HEALTH AND AGRICULTURAL GUIDELINES FOR EFFLUENT QUALITY AND ON THE SHORT-TERM AND LONG-TERM EFFECTS OF EFFLUENT REUSE ON PUBLIC HEALTH; SOIL FERTILITY; AND CROP PRODUCTIVITY. ALSO DISCUSSED ARE AGRICULTURAL UTILIZATION, WASTEWATER SLUDGE TREATMENT AND WASTEWATER TREATMENT SYSTEMS. THE SEMINAR WAS DESIGNED TO EXCHANGE INFORMATION AND THE EXPERIENCES OF INTERNATIONAL AND REGIONAL EXPERTS ON THE TREATMENT AND REUSE OF WASTEWATER EFFLUENTS FOR INCREASED AGRICULTURAL PRODUCTION.

AVAILABILITY: ANCHOR BRENDON LTD., TIPTREE, ESSEX, GREAT BRITAIN

IRIS ACCESSION NUMBER: EW015548

PUBLICATION DATE: 87

TITLE: CHEMICAL PROCESSES IN WASTE WATER TREATMENT.

PERSONAL AUTHOR: EIBECK, W. JOHN; MATTOCK, GERRY

DESCRIPTOR: *CHEMICAL PROCESSES; *CHEMICAL REACTIONS; *REFERENCES; *OPERATIONS (WASTEWATER); *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 331P. $84.95

ABSTRACT: THIS PUBLICATION PROVIDES INFORMATION ON (1) THE BASIC CHEMICAL ENGINEERING AND CONTROL CONSIDERATIONS NECESSARY FOR CHEMICAL TREATMENT PLANT DESIGN, (2) PH ADJUSTMENT PROCESSES, INCLUDING MEASUREMENT AND CONTROL OF PH IN WASTEWATER TREATMENT, (3) OXIDATION, REDUCTION, AND ELECTROCHEMICAL PROCESSES, AND (4) PHASE SEPARATIONS. THE BOOK EMPHASIZES THEORY, APPLICATIONS, AND REACTIONS.

AVAILABILITY: JOHN WILEY & SONS, INC., 605 THIRD AVE., NEW YORK, NY 10158

IRIS ACCESSION NUMBER: EW015549

PUBLICATION DATE: 88

TITLE: WASTE WATER TREATMENT PROCESSES IN THE MIDDLE EAST.

PERSONAL AUTHOR: MULLICK, M.A.

DESCRIPTOR: *DESIGN; *MIDDLE EAST; *OPERATIONS (WASTEWATER); *WASTEWATER TREATMENT; *POLLUTION CONTROL; *WATER POLLUTION CONTROL; *PUBLIC HEALTH

DESCRIPTIVE NOTE: 410P.

ABSTRACT: THIS PUBLICATION IS CONCERNED WITH THE DESIGN AND OPERATION OF WASTEWATER TREATMENT IN THE MIDDLE EAST.

AVAILABILITY: THE BOOK GUILD LTD., TEMPLE HOUSE, 25 HIGH ST., LEWES, E. SUSSEX BN7 2LU, UNITED KINGDOM

IRIS ACCESSION NUMBER: EW015564

PUBLICATION DATE: 86-88

TITLE: INTRODUCTION TO HAZARDOUS MATERIALS - PROGRAM NO. 1.

DESCRIPTOR: AUDIOVISUAL AIDS; *HAZARDOUS MATERIALS; *COMPLIANCE; *DOT; *CARRIER RESPONSIBILITIES; *SHIPPER RESPONSIBILITIES; *LIABILITY; *MANAGEMENT; INSTRUCTIONAL MATERIALS; *REGULATIONS; POSTSECONDARY EDUCATION; 35MM

SLIDES; TRAINING; VIDEOCASSETTES; *TRANSPORTATION

DESCRIPTIVE NOTE: AV; 15+MIN. PRICE: $125.00; 35MM SLIDES & AUDIO CASSETE OR VHS/BETA VIDEO CASSETTES

ABSTRACT: THIS IS ONE OF A SERIES OF TRAINING PROGRAMS TO DEVELOP SKILLS RELATED TO HAZARDOUS MATERIALS TRANSPORTATION PROBLEMS. THIS PROGRAM, NUMBER ONE IN THE SERIES, PROVIDES AN OVERVIEW OF THE DOT HAZARDOUS MATERIALS REGULATIONS FOR MANAGEMENT AND SUPERVISORY PERSONNEL FOR SHIPPING AND CARRIERS. ALSO EMPHASIZED IS THE CORPORATE AND INDIVIDUAL LIABILITY FOR FAILURE TO COMPLY.

AVAILABILITY: HAZARDOUS MATERIALS PUBLISHING CO., PO BOX 308 - 243 W. MAIN ST., KUTZTOWN, PA 19530

IRIS ACCESSION NUMBER: EW015565

PUBLICATION DATE: 86-88

TITLE: HAZARDOUS MATERIALS SHIPPING PAPERS - PROGRAM NO. 2.

DESCRIPTOR: *DOT; *HAZARDOUS MATERIALS; INSTRUCTIONAL MATERIALS; *CARRIER RESPONSIBILITIES; *SHIPPER RESPONSIBILITIES; POSTSECONDARY EDUCATION; *REGULATIONS; *SHIPPING PAPERS; *LIABILITY; 35MM SLIDES; TRAINING; VIDEOCASSETES; *TRANSPORTATION

DESCRIPTIVE NOTE: AV; 15+ MIN. PRICE: $125.00; 35MM SLIDES & AUDIO CASSETTE OR VHS/BETA VIDEO CASSETTES

ABSTRACT: THIS IS ONE OF A SERIES OF TRAINING PROGRAMS TO DEVELOP SKILLS RELATED TO HAZARDOUS MATERIALS TRANSPORTATION PROBLEMS. THIS PROGRAM, NUMBER TWO IN THE SERIES, PROVIDES AN OVERVIEW OF THE REQUIREMENTS OF THE DOT AND CARRIER AND SHIPPER RESPONSIBLITIES AND LIABILITY FOR IMPROPER IDENTIFICATION AND CLASSIFICATION OF HAZARDOUS MATERIALS.

AVAILABILITY: HAZARDOUS MATERIALS PUBLISHING CO., PO BOX 308 - 243 W. MAIN ST., KUTZTOWN, PA 19530

IRIS ACCESSION NUMBER: EW015566

PUBLICATION DATE: 86-88

TITLE: HAZARDOUS MATERIALS LABELS & MARKING - PROGRAM NO. 3.

DESCRIPTOR: *CHEMICALS; *HAZARDOUS MATERIALS; *DOT; AUDIOVISUAL AIDS; *LABELING; INSTRUCTIONAL MATERIALS; POSTSECONDARY EDUCATION; *REGULATIONS; 35MM SLIDES; TRAINING; VIDEOCASSETTES; USEPA; *TRANSPORTATION; *WASTES

DESCRIPTIVE NOTE: AV; 15+ MIN. PRICE: $125.00; 35 MM SLIDES & AUDIO CASSETTE OR VHS/BETA VIDEO CASSETTES

ABSTRACT: THIS IS ONE OF A SERIES OF TRAINING PROGRAMS TO DEVELOP SKILLS RELATED TO HAZARDOUS MATERIALS TRANSPORTATION PROBLEMS. THIS PROGRAM, NUMBER THREE IN THE SERIES, PROVIDES AN EXAMINATION OF THE LABEL AND MARKING REQUIREMENTS REQUIRED BY DOT AND A REVIEW OF ADDITIONAL LABEL AND MARKING REQUIREMENTS OF OTHER INTERFACING FEDERAL REGULATIONS.

AVAILABILITY: HAZARDOUS MATERIALS PUBLISHING CO., PO BOX 308 - 243 W. MAIN ST., KUTZTOWN, PA 19530

IRIS ACCESSION NUMBER: EW015567

PUBLICATION DATE: 86-88

TITLE: HAZARDOUS MATERIALS PLACARDING REQUIREMENTS - PROGRAM NO. 4.

DESCRIPTOR: *CHEMICALS; *HAZARDOUS MATERIALS; AUDIOVISUAL AIDS; *COMPLIANCE; *PLACARDING; *HIGHWAY TRANSPORTATION; *RAIL TRANSPORTATION; INSTRUCTIONAL MATERIALS; *REGULATIONS; POSTSECONDARY EDUCATION; 35 MM SLIDES; TRAINING; VIDEOCASSETTES; *TRANSPORTATION; *WASTES

DESCRIPTIVE NOTE: AV; 15+ MIN. PRICE: $125.00; 35MM SLIDES & AUDIO CASSETTE OR VHS/BETA VIDEO CASSETTES

ABSTRACT: THIS IS ONE OF A SERIES OF TRAINING PROGRAMS TO DEVELOP SKILLS RELATED TO HAZARDOUS MATERIALS TRANSPORTATION PROBLEMS. THIS PROGRAM, NUMBER FOUR IN THE SERIES, PROVIDES AN EXAMINATION OF PLACARDING REQUIREMENTS FOR SHIPPERS AND CARRIERS. EMPHASIS IS ON REQUIREMENTS FOR HIGHWAY AND RAIL MODES.

AVAILABILITY: HAZARDOUS MATERIALS PUBLISHING CO., PO BOX 308 - 243 W. MAIN ST., KUTZTOWN, PA 19530

IRIS ACCESSION NUMBER: EW015568

PUBLICATION DATE: 86-88

TITLE: HAZARDOUS MATERIALS/SUBSTANCES AND THE DRIVER - PROGRAM NO. 5.

DESCRIPTOR: AUDIOVISUAL AIDS; INSTRUCTIONAL MATERIALS; *HAZARDOUS MATERIALS; *CARRIER RESPONSIBILITIES; *DRIVER RESPONSIBILITIES; *DOT; POSTSECONDARY EDUCATION; *REGULATIONS; 35MM SLIDES; *HIGHWAY TRANSPORTATION; VIDEOCASSETTES; *TRANSPORTATION; *WASTES

DESCRIPTIVE NOTE: AV; 15+ MIN. PRICE: $125.00 35MM SLIDES & AUDIO CASSETTE OR VHS/BETA VIDEO CASSETTES

ABSTRACT: THIS IS ONE OF A SERIES OF TRAINING PROGRAMS TO DEVELOP SKILLS RELATED TO HAZARDOUS MATERIALS TRANSPORTATION PROBLEMS. THIS PROGRAM, NUMBER FIVE IN THE SERIES, COVERS THE DRIVER'S RESPONSIBILITY WHEN DEALING STRICTLY WITH SHIPPERS OF HAZARDOUS MATERIALS. DRIVER AND CARRIER RESPONSIBILITIES RELATIVE TO THE DOT REGULATIONS FOR HAZARDOUS MATERIALS AND SUBSTANCES ARE DETAILED.

AVAILABILITY: HAZARDOUS MATERIALS PUBLISHING CO., PO BOX 308 - 243 W. MAIN ST., KUTZTOWN, PA 19530

IRIS ACCESSION NUMBER: EW015569

PUBLICATION DATE: 86-88

TITLE: LOADING & UNLOADING MATERIALS - PROGRAM NO. 6.

DESCRIPTOR: AUDIOVISUAL AIDS; *HAZARDOUS MATERIALS; INSTRUCTIONAL MATERIALS; POSTSECONDARY EDUCATION; *REGULATIONS; *MATERIALS HANDLING; *DRIVER RESPONSIBILITIES; *SHIPPER RESPONSIBILITIES; *COSIGNEE RESPONSIBILITIES; 35MM SLIDES; TRAINING; VIDEOCASSETTES; *GUIDELINES; *TRANSPORTATION

DESCRIPTIVE NOTE: AV; 15+ MIN. PRICE: $125.00 35MM SLIDES & AUDIO CASSETTE OR VHS/BETA VIDEOCASSETTES

ABSTRACT: THIS IS ONE OF A SERIES OF TRAINING PROGRAMS TO DEVELOP SKILLS RELATED TO HAZARDOUS MATERIALS TRANSPORTATION PROBLEMS. THIS PROGRAM, NUMBER SIX IN THE SERIES, REVIEWS THE MAJOR RULES TO FOLLOW WHEN LOADING OR UNLOADING HAZARDOUS MATERIALS BASED ON SHIPPER'S, DRIVER'S, AND COSIGNEE'S RESPONSIBILITIES.

AVAILABILITY: HAZARDOUS MATERIALS PUBLISHING CO., PO BOX 308 - 243 W. MAIN ST., KUTZTOWN, PA 19530

IRIS ACCESSION NUMBER: EW015570

PUBLICATION DATE: 86-88

TITLE: FEDERAL MOTOR CARRIER SAFETY REGULATIONS - PROGRAM NO. 7.

DESCRIPTOR: *HAZARDOUS MATERIALS; AUDIOVISUAL AIDS; *DOT; *DRIVER REQUIREMENTS; INSTRUCTIONAL MATERIALS; *HIGHWAY TRANSPORTATION; POSTSECONDARY EDUCATION; *REGULATIONS; 35MM SLIDES; TRAINING; VIDEOCASSETTES; *USEPA; *SAFETY; *TRANSPORTATION; *WASTES

DESCRIPTIVE NOTE: AV; 15+ MIN. PRICE: $125.00 35MM SLIDES & AUDIO CASSETTE OR VHS/BETA VIDEO CASSETTE

ABSTRACT: THIS IS ONE OF A SERIES OF TRAINING PROGRAMS TO DEVELOP SKILLS RELATED TO HAZARDOUS MATERIALS TRANSPORTATION PROBLEMS. THIS PROGRAM, NUMBER SEVEN IN THE SERIES, PROVIDES AN OVERVIEW OF THE DRIVER'S REQUIREMENTS WHEN TRANSPORTING HAZARDOUS MATERIALS ON HIGHWAYS.

AVAILABILITY: HAZARDOUS MATERIALS PUBLISHING CO., PO BOX 308 - 243 W. MAIN ST., KUTZTOWN, PA 19530

IRIS ACCESSION NUMBER: EW015571

PUBLICATION DATE: 86-88

TITLE: SMALL QUANTITY GENERATORS HAZARDOUS WASTE REGULATIONS - PROGRAM NO. 8.

DESCRIPTOR: *CHEMICALS; *HAZARDOUS MATERIALS; AUDIOVISUAL AIDS; *DOT; INSTRUCTIONAL MATERIALS; *CLASSIFICATION; *LABELS; POSTSECONDARY EDUCATION; *PACKAGING; *REGULATIONS; 35 MM SLIDES; TRAINING; VIDEOCASSETTES; *USEPA; *STORAGE; *TRANSPORTATION; *WASTES

DESCRIPTIVE NOTE: AV; 15+ MIN. PRICE: $125.00; 35MM SLIDES & AUDIO CASSETTE OR VHS/BETA VIDEO CASSETTES

ABSTRACT: THIS IS ONE OF A SERIES OF TRAINING PROGRAMS TO DEVELOP SKILLS RELATED TO HAZARDOUS MATERIALS TRANSPORTATION PROBLEMS. THIS PROGRAM, NUMBER EIGHT IN THE SERIES, PROVIDES A REVIEW OF THE USEPA/DOT REGULATIONS FOR SMALL QUANTITY GENERATORS WHO MUST ENSURE THAT ALL PERSONNEL ARE THOROUGHLY FAMILIAR WITH FEDERAL REGULATIONS FOR IDENTIFICATION, CLASSIFICATION, LABELS, MARKINGS, PACKAGING, AND PLACARDING OF HAZARDOUS MATERIALS AND WASTES.

AVAILABILITY: HAZARDOUS MATERIALS PUBLISHING CO., PO BOX 308 - 243 W. MAIN ST., KUTZTOWN, PA 19530

IRIS ACCESSION NUMBER: EW015572

PUBLICATION DATE: 86-88

TITLE: PCB'S HANDLING, STORAGE & DISPOSAL - PROGRAM NO. 9.

DESCRIPTOR: *CHEMICALS; *HAZARDOUS MATERIALS; AUDIOVISUAL AIDS; *DOT; *LABELS; INSTRUCTIONAL MATERIALS; POSTSECONDARY EDUCATION; *REGULATIONS; 35MM SLIDES; VIDEOCASSETTES; *USEPA; *MATERIALS HANDLING; *PACKAGING; *TRANSPORTATION; *WASTES; *PCBS

DESCRIPTIVE NOTE: AV; 15+ MIN. PRICE: $125.00; 35MM SLIDES & AUDIO CASSETES OR VHS/BETA CASSETTES

ABSTRACT: THIS IS ONE OF A SERIES OF TRAINING PROGRAMS TO DEVELOP SKILLS RELATED TO HAZARDOUS MATERIALS TRANSPORTATION PROBLEMS. THIS PROGRAM, NUMBER NINE IN THE SERIES, PROVIDES A REVIEW OF THE USEPA/DOT REQUIREMENTS FOR THE PROPER HANDLING, LABELING, PACKAGING, AND MARKING OF PCBS.

AVAILABILITY: HAZARDOUS MATERIALS PUBLISHING CO., PO BOX 308 - 243 W. MAIN ST., KUTZTOWN, PA 19530

IRIS ACCESSION NUMBER: EW015573

PUBLICATION DATE: 86-88

TITLE: DETERMINING PROPER DOT/EPA SHIPPING DESCRIPTIONS - PROGRAM NO. 10.

DESCRIPTOR: *CHEMICALS *HAZARDOUS MATERIALS; AUDIOVISUAL AIDS; *DOT; *LABELS; *SHIPPING; INSTRUCTIONAL MATERIALS; POSTSECONDARY EDUCATION; *REGULATIONS; 35MM SLIDES; TRAINING; VIDEOCASSETTES; *USEPA; *TRANSPORTATION; *WASTES

DESCRIPTIVE NOTE: AV; 15+ MIN. PRICE: $125.00; 35MM SLIDES & AUDIO CASSETTE OR VHS/BETA VIDEO CASSETTES

ABSTRACT: THIS IS ONE OF A SERIES OF TRAINING PROGRAMS TO DEVELOP SKILLS RELATED TO HAZARDOUS MATERIALS TRANSPORTATION

PROBLEMS. THIS PROGRAM, NUMBER 10 IN THE SERIES, PROVIDES INFORMATION ON HOW TO DEVELOP THE REQUIRED DOT/USEPA SHIPPING DESCRIPTION FOR HAZARDOUS MATERIALS AND WASTE.

AVAILABILITY: HAZARDOUS MATERIALS PUBLISHING CO., PO BOX 308 - 243 W. MAIN ST., KUTZTOWN, PA 19530

IRIS ACCESSION NUMBER: EW015574

PUBLICATION DATE: 86-88

TITLE: EMPTIES, LEAKERS & EMERGENCY RESPONSE - PROGRAM NO. 11.

DESCRIPTOR: *CHEMICALS; *HAZARDOUS MATERIALS; AUDIOVISUAL AIDS; *DOT; *CONTAINERS; INSTRUCTIONAL MATERIALS; POSTSECONDARY EDUCATION; *REGULATIONS; 35MM SLIDES; TRAINING; VIDEOCASSETTES; *USEPA; *STORAGE; *TRANSPORTATION; *WASTES

DESCRIPTIVE NOTE: AV; 15+ MIN. PRICE: $125.00; 35 MM SLIDES & AUDIO CASSETTE OR BETA/VHS CASSETTE

ABSTRACT: THIS IS ONE OF A SERIES OF TRAINING PROGRAMS TO DEVELOP SKILLS RELATED TO HAZARDOUS MATERIALS TRANSPORTATION PROBLEMS. THIS PROGRAM, NUMBER ELEVEN IN THE SERIES, PROVIDES AN EXAMINATION OF EPA/DOT REGULATIONS FOR EMPTY AND LEAKING CONTAINERS OF HAZARDOUS MATERIALS OR WASTE.

AVAILABILITY: HAZARDOUS MATERIALS PUBLISHING CO., PO BOX 308 - 243 W. MAIN ST., KUTZTOWN, PA 19530

IRIS ACCESSION NUMBER: EW015575

PUBLICATION DATE: 86-88

TITLE: HAZARDOUS MATERIALS & WASTE SHIPPING CONTAINERS - PROGRAM NO. 12.

DESCRIPTOR: *CHEMICALS; *HAZARDOUS MATERIALS; *COMPLIANCE; AUDIOVISUAL AIDS; *DOT; INSTRUCTIONAL MATERIALS; POSTSECONDARY EDUCATION; *REGULATIONS; 35MM SLIDES; TRAINING; VIDEOCASSETTES; *USEPA; *PACKAGING; *TRANSPORTATION; *WASTES

DESCRIPTIVE NOTE: AV; 15+ MIN. PRICE: $125.00; 35MM SLIDES & AUDIO CASSETTE OR VHS/BETA VIDEO CASSETTES

ABSTRACT: THIS IS ONE OF A SERIES OF TRAINING PROGRAMS TO DEVELOP SKILLS RELATED TO HAZARDOUS MATERIALS TRANSPORTATION PROBLEMS. THIS PROGRAM, NUMBER TWELVE IN THE SERIES, PROVIDES INFORMATION ON SELECTING, USING, REUSE, RECONDITIONING, AND TESTING FOR COMPLIANCE WITH DOT/USEPA PACKAGING REGULATIONS RELATED TO HAZARDOUS MATERIALS AND WASTE.

AVAILABILITY: HAZARDOUS MATERIALS PUBLISHING CO., PO BOX 308 - 243 W. MAIN ST., KUTZTOWN, PA 19530

IRIS ACCESSION NUMBER: EW015576

PUBLICATION DATE: 86-88

TITLE: PREPARING LAB-PACKS, & OVERPACKING LEAKERS - PROGRAM NO. 13.

DESCRIPTOR: *CHEMICALS; *HAZARDOUS MATERIALS; AUDIOVISUAL AIDS; *DOT; *CONTAINERS; *LEAKS; *PACKAGING; *MATERIALS HANDLING; INSTRUCTIONAL MATERIALS; POSTSECONDARY EDUCATION; *REGULATIONS; 35MM SLIDES; TRAINING; VIDEOCASSETTES; *USEPA; *STORAGE; *TRANSPORTATION; *WASTES

DESCRIPTIVE NOTE: AV; 15+ MIN. PRICE: $125.00; 35MM SLIDES & AUDIO CASSETTE OR VHS/BETA VIDEO CASSETTE

ABSTRACT: THIS IS ONE OF A SERIES OF TRAINING PROGRAMS TO DEVELOP SKILLS RELATED TO HAZARDOUS MATERIALS TRANSPORTATION PROBLEMS. THIS PROGRAM, NUMBER 13 IN THE SERIES, PROVIDES AN EXAMINATION OF THE DOT AND USEPA REGULATIONS FOR PREPARING, PACKAGING, AND IDENTIFYING SMALL QUANTITY PACKAGINGS OF HAZARDOUS WASTE FROM GENERATORS OF "LABS." INFORMATION IS ALSO PROVIDED ON HOW TO HANDLE AND OVERPACK LEAKING CONTAINERS OF HAZARDOUS MATERIALS OR WASTES.

AVAILABILITY: HAZARDOUS MATERIALS PUBLISHING CO., PO BOX 308 - 243 W. MAIN ST., KUTZTOWN, PA 19530

IRIS ACCESSION NUMBER: EW015577

PUBLICATION DATE: 86-88

TITLE: THE "RQ" (REPORTABLE QUANTITY) QUAGMIRE - PROGRAM NO. 14.

DESCRIPTOR: *CHEMICALS; *HAZARDOUS MATERIALS; AUDIOVISUAL AIDS; *DOT; *CERCLA; INSTRUCTIONAL MATERIALS; POSTSECONDARY EDUCATION; *REGULATIONS; 35MM SLIDES; *EMISSIONS; *SPILLS; TRAINING; VIDEOCASSETTES; *USEPA; *LIABILITIES; *WASTES

DESCRIPTIVE NOTE: AV; 15+ MIN. PRICE: $125.00; 35MM SLIDES & AUDIO CASSETTE OR VHS/BETA VIDEO CASSETTE

ABSTRACT: THIS IS ONE OF A SERIES OF TRAINING PROGRAMS TO DEVELOP SKILLS RELATED TO HAZARDOUS MATERIALS TRANSPORTATION PROBLEMS. THIS PROGRAM, NUMBER 14 IN THE SERIES, EXPLAINS THE NEW DOT/EPA/CERCLA REGULATIONS COVERING HAZARDOUS SUBSTANCE DISCHARGES INTO THE ENVIRONMENT WHEN THEY MUST BE REPORTED AND THE LIABILITIES FOR BOTH INDIVIDUALS AND COMPANIES FAILING TO COMPLY WITH THESE NEW AND EXTREMELY STRINGENT REGULATIONS.

AVAILABILITY: HAZARDOUS MATERIALS PUBLISHING CO., PO BOX 308 - 243 W. MAIN ST., KUTZTOWN, PA 19530

IRIS ACCESSION NUMBER: EW015578

PUBLICATION DATE: 86-88

TITLE: INTRODUCTION TO HAZARDOUS MATERIALS, SUBSTANCES,

CHEMICALS & WASTE - PROGRAM NO. 15.

DESCRIPTOR: *CHEMICALS; *HAZARDOUS MATERIALS; AUDIOVISUAL AIDS; *DOT; *LABELS; *PACKAGING; INSTRUCTIONAL MATERIALS; *OSHA; POSTSECONDARY EDUCATION; *REGULATIONS; 35MM SLIDES; TRAINING; VIDEOCASSETTES; *USEPA; *STORAGE; *TRANSPORTATION; *WASTES

DESCRIPTIVE NOTE: AV; 15+ MIN. PRICE: $125.00; 35MM SLIDES & AUDIO CASSETTE OR VHS/BETA VIDEO CASSETTE

ABSTRACT: THIS IS ONE OF A SERIES OF TRAINING PROGRAMS TO DEVELOP SKILLS RELATED TO HAZARDOUS MATERIALS TRANSPORTATION PROBLEMS. THIS PROGRAM, NUMBER 15 IN THE SERIES, PROVIDES AN OVERVIEW TO HAZARDOUS MATERIALS, CHEMICALS, AND WASTE REGULATIONS OF DOT, USEPA, AND OSHA FOR THE PACKAGING, LABELING, MARKING, AND PLACARDING OF THESE MATERIALS FOR SHIPPERS, GENERATORS, CARRIERS, AND TRANSPORTERS.

AVAILABILITY: HAZARDOUS MATERIALS PUBLISHING CO., PO BOX 308 - 243 W. MAIN ST., KUTZTOWN, PA 19530

IRIS ACCESSION NUMBER: EW015579

PUBLICATION DATE: 86-88

TITLE: SHIPPING PAPERS & MANIFESTS FOR HAZARDOUS MATERIALS, SUBSTANCES, CHEMICALS & WASTE - PROGRAM NO. 16.

DESCRIPTOR: *CHEMICALS; *HAZARDOUS MATERIALS; AUDIOVISUAL AIDS; *DOT; *LABELS; *CLASSIFICATION; INSTRUCTIONAL MATERIALS; POSTSECONDARY EDUCATION; *REGULATIONS; 35MM SLIDES; TRAINING; VIDEOCASSETTES; *USEPA; *STORAGE; *TRANSPORTATION; *WASTES

DESCRIPTIVE NOTE: AV; 15+ MIN. PRICE: $125.00; 35MM SLIDES & AUDIO CASSETTE OR VHS/BETA VIDEO CASSETTE

ABSTRACT: THIS IS ONE OF A SERIES OF TRAINING PROGRAMS TO DEVELOP SKILLS RELATED TO HAZARDOUS MATERIALS TRANSPORTATION PROBLEMS. THIS PROGRAM, NUMBER 18 IN THE SERIES, PROVIDES A COMPREHENSIVE AND IN-DEPTH EVALUATION OF THE DOT AND USEPA REGULATIONS FOR HAZARDOUS MATERIALS, SUBSTANCES AND WASTE, COVERING THE PROPER IDENTIFICATION, CLASSIFICATION AND USE OF PROPER SHIPPING NAMES. IT ALSO COVERS NEW CLASSIFICATION REQUIREMENTS AND SHOWS HOW TO DETERMINE WHETHER OR NOT YOU HAVE PROPER DOCUMENTATION FOR A HAZARDOUS MATERIAL SUBSTANCE, OR WASTE.

AVAILABILITY: HAZARDOUS MATERIALS PUBLISHING CO., PO BOX 308 - 243 W. MAIN ST., KUTZTOWN, PA 19530

IRIS ACCESSION NUMBER: EW015580

PUBLICATION DATE: 86-88

TITLE: LABELS, MARKINGS & PLACARDING HAZARDOUS MATERIALS, CHEMICALS, & WASTE - PROGRAM NO. 17.

DESCRIPTOR: *CHEMICALS; *HAZARDOUS MATERIALS; AUDIOVISUAL AIDS; *DOT; *LABELS; INSTRUCTIONAL MATERIALS; *OSHA; POSTSECONDARY EDUCATION; *REGULATIONS; 35MM SLIDES; TRAINING; VIDEOCASSETTES; *USEPA; *STORAGE; *TRANSPORTATION; *WASTES

DESCRIPTIVE NOTE: AV; 15+ MIN. PRICE: $125.00; 35MM SLIDES & AUDIO CASSETTE OR VHS/BETA VIDEO CASSETTE

ABSTRACT: THIS IS ONE OF A SERIES OF TRAINING PROGRAMS TO DEVELOP SKILLS RELATED TO HAZARDOUS MATERIALS TRANSPORTATION PROBLEMS. THIS PROGRAM, NUMBER 17 IN THE SERIES, REVIEWS DOT/EPA/OSHA REGULATIONS FOR SPECIFIC LABELS AND MARKINGS ON CONTAINERS OF HAZARDOUS MATERIALS, CHEMICALS, OR WASTE WHEN BEING USED, STORED, OR TRANSPORTED.

AVAILABILITY: HAZARDOUS MATERIALS PUBLISHING CO., PO BOX 308 - 243 W. MAIN ST., KUTZTOWN, PA 19530

IRIS ACCESSION NUMBER: EW015581

PUBLICATION DATE: 86-88

TITLE: HAZARDOUS MATERIALS & WASTE AND THE DRIVER - PROGRAM NO. 18.

DESCRIPTOR: *CHEMICALS; *HAZARDOUS MATERIALS; *DRIVER RESPONSIBILITIES; AUDIOVISUAL AIDS; *DOT; INSTRUCTIONAL MATERIALS; POSTSECONDARY EDUCATION; *REGULATIONS; 35MM SLIDES; *HIGHWAY TRANSPORTATION; VIDEOCASSETTES; *USEPA; *TRANSPORTATION; *WASTES

DESCRIPTIVE NOTE: AV; 15+ MIN. PRICE: $125.00; 35MM SLIDES & AUDIO CASSETTE OR VHS/BETA VIDEO CASSETTE

ABSTRACT: THIS IS ONE OF A SERIES OF TRAINING PROGRAMS TO DEVELOP SKILLS RELATED TO HAZARDOUS MATERIALS TRANSPORTATION PROBLEMS. THIS PROGRAM, NUMBER 18 IN THE SERIES, PROVIDES A REVIEW OF THE DRIVER'S RESPONSIBILITIES WHEN ACCEPTING, LOADING, UNLOADING, OR TRANSPORTING HAZARDOUS MATERIALS, SUBSTANCES, OR WASTES OVER PUBLIC HIGHWAYS UNDER DOT/USEPA AND FEDERAL MOTOR CARRIER SAFETY REGULATIONS.

AVAILABILITY: HAZARDOUS MATERIALS PUBLISHING CO., PO BOX 308 - 243 W. MAIN ST., KUTZTOWN, PA 19530

IRIS ACCESSION NUMBER: EW015582

PUBLICATION DATE: 86-88

TITLE: PLACARDING HAZARDOUS MATERIALS, SUBSTANCES & WASTES - PROGRAM NO. 19.

DESCRIPTOR: *CHEMICALS; *HAZARDOUS MATERIALS; AUDIOVISUAL AIDS; *DOT; *COMPLIANCE; *PLACARDING; INSTRUCTIONAL MATERIALS; POSTSECONDARY EDUCATION; *REGULATIONS; 35MM SLIDES; TRAINING; VIDEOCASSETTES; *USEPA; *TRANSPORTATION; *WASTES

DESCRIPTIVE NOTE: AV; 15+ MIN. PRICE: $125.00; 35MM SLIDES & AUDIO CASSETTE OR VHS/BETA VIDEO CASSETTE

ABSTRACT: THIS IS ONE OF A SERIES OF TRAINING PROGRAMS TO DEVELOP SKILLS RELATED TO HAZARDOUS MATERIALS TRANSPORTATION PROBLEMS. THIS PROGRAM, NUMBER 19 IN THE SERIES, EXAMINES THE COMPLEXITIES OF PROPER PLACARDING WHEN A CARRIER'S OR TRANSPORTER'S DRIVERS ARE REQUIRED TO COMPLY WITH FEDERAL LAWS.

AVAILABILITY: HAZARDOUS MATERIALS PUBLISHING CO., PO BOX 308 - 243 W. MAIN ST., KUTZTOWN, PA 19530

IRIS ACCESSION NUMBER: EW015583

PUBLICATION DATE: 86-88

TITLE: CLASSES OF HAZARDOUS MATERIALS, CHEMICALS & WASTE - PROGRAM NO. 20.

DESCRIPTOR: *CHEMICALS; *HAZARDOUS MATERIALS; AUDIOVISUAL AIDS; *DOT; *CLASSIFICATION; *COMPLIANCE; INSTRUCTIONAL MATERIALS; *OSHA; POSTSECONDARY EDUCATION; *REGULATIONS; 35MM SLIDES; TRAINING; VIDEOCASSETTES; *USEPA; *WASTES; *TRANSPORTATION

DESCRIPTIVE NOTE: AV; 15+ MIN. PRICE: $125.00; 35MM SLIDES & AUDIO CASSETTE OR VHS/BETA VIDEO CASSETTE

ABSTRACT: THIS IS ONE OF A SERIES OF TRAINING PROGRAMS TO DEVELOP SKILLS RELATED TO HAZARDOUS MATERIALS TRANSPORTATION PROBLEMS. THIS PROGRAM, NUMBER 20 IN THE SERIES, PROVIDES A REVIEW OF THE CHARACTERISTICS OF CLASSIFICATION OF HAZARDOUS MATERIALS, CHEMICALS, AND WASTE. THE INTERFACE BETWEEN THE DOT/USEPA/OSHA REGULATIONS AND CROSS-REFERENCES RELATED TO COMPLIANCE RESPONSIBILITIES.

AVAILABILITY: HAZARDOUS MATERIALS PUBLISHING CO., PO BOX 308 - 243 W. MAIN ST., KUTZTOWN, PA 19530

IRIS ACCESSION NUMBER: EW015584

PUBLICATION DATE: 86-88

TITLE: SHIPPING HAZARDOUS MATERIALS IN THE AIR MODE - PROGRAM NO. 21.

DESCRIPTOR: *CHEMICALS; *HAZARDOUS MATERIALS; *DOT; AUDIOVISUAL AIDS; INSTRUCTIONAL MATERIALS; *IATA; *ICAO; POSTSECONDARY EDUCATION; *REGULATIONS; 35MM SLIDES; *TRAINING; VIDEOCASSETES; USEPA; *COMPLIANCE; *MATERIAL CARRIERS; *AIR TRANSPORTATION; *TRANSPORTATION; *WASTES

DESCRIPTIVE NOTE: AV; 15+ MIN. PRICE: $125.00; 35MM SLIDES & AUDIO CASSETTE OR VHS/BETA VIDEO CASSETTE

ABSTRACT: THIS IS ONE OF A SERIES OF TRAINING PROGRAMS TO DEVELOP SKILLS RELATED TO HAZARDOUS MATERIALS TRANSPORTATION PROBLEMS. THIS PROGRAM, NUMBER 21 IN THE SERIES, PROVIDES AN OVERVIEW TO THE INTERFACES BETWEEN THE DOT, IATA, AND ICAO AND THE COMPLIANCE RESPONSIBILITIES OF SHIPPERS AND CARRIERS RELATED TO THE TRANSPORTATION OF HAZARDOUS MATERIALS OR WASTES IN THE AIR MODE.

AVAILABILITY: HAZARDOUS MATERIALS PUBLISHING CO., PO BOX 308 - 243 W. MAIN ST., KUTZTOWN, PA 19530

IRIS ACCESSION NUMBER: EW015585

PUBLICATION DATE: 86-88

TITLE: RCRA CONTIGENCY PLANS & EMERGENCY PROCEDURES - PROGRAM NO. 22.

DESCRIPTOR: *CHEMICALS; *ACCIDENT PREVENTION; *CONTIGENCY PLANS; *EMERGENCY RESPONSE; *HAZARDOUS MATERIALS; AUDIOVISUAL AIDS; INSTRUCTIONAL MATERIALS; *PERSONNEL SELECTION; *REGULATIONS; POSTSECONDARY EDUCATION; 35MM SLIDES; TRAINING; VIDEOCASSETTES; *RCRA; *USEPA; *STORAGE; *TRANSPORTATION; *WASTES

DESCRIPTIVE NOTE: AV; 15+ MIN. PRICE: $125.00; 35MM SLIDES & AUDIO CASSETTE OR VHS/BETA VIDEO CASSETTE

ABSTRACT: THIS IS ONE OF A SERIES OF TRAINING PROGRAMS TO DEVELOP SKILLS RELATED TO HAZARDOUS MATERIALS TRANSPORTATION PROBLEMS. THIS PROGRAM, NUMBER 22 IN THE SERIES, OUTLINES INFORMATION FOR THE RCRA CONTIGENCY PLAN, THE SELECTION AND TRAINING OF THE MANDATORY DESIGNATED EMEGENCY COORDINATOR REQUIRED AT EACH GENERATORS TREATMENT, STORAGE, AND DISPOSAL FACILITY AND THE EMERGENCY PROCEDURES TO USE IN RESPONSE TO DISCHARGES OR ACCIDENTS INVOLVING HAZARDOUS WASTE.

AVAILABILITY: HAZARDOUS MATERIALS PUBLISHING CO., PO BOX 308 - 243 W. MAIN ST., KUTZTOWN, PA 19530

IRIS ACCESSION NUMBER: EW015587

PUBLICATION DATE: 86-88

TITLE: INTRODUCTION TO OSHA "RIGHT-TO-KNOW" HAZARD COMMUNICATION REGULATIONS - PROGRAM NO. 23.

DESCRIPTOR: *CHEMICALS; *HAZARDOUS MATERIALS; *COMPLIANCE; AUDIOVISUAL AIDS; INSTRUCTIONAL MATERIALS; *OSHA; POSTSECONDARY EDUCATION; *REGULATIONS; *RIGHT-TO-KNOW; TRAINING; 35MM SLIDES; VIDEOCASSETTES

DESCRIPTIVE NOTE: AV; 15+ MIN. PRICE: $125.00; 35MM SLIDES & AUDIO CASSETTE OR VHS/BETA VIDEO CASSETTE

ABSTRACT: THIS IS ONE OF A SERIES OF TRAINING PROGRAMS TO DEVELOP SKILLS RELATED TO HAZARDOUS MATERIALS TRANSPORTATION PROBLEMS. THIS PROGRAM, NUMBER 23 IN THE SERIES, PROVIDES A REVIEW OF THE OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION REGULATIONS FOR HAZARDOUS CHEMICALS IN THE WORKPLACE AND THE VARIOUS MODULE REQUIREMENTS OF THESE NEW REGULATIONS. THIS PROGRAM IS PRIMARILY FOR EMPLOYEE INTRODUCTION TO THE OSHA RIGHT-TO-KNOW REGULATIONS AND THE JOINT RESPONSIBILITIES BETWEEN EMPLOYER AND EMPLOYEE FOR COMPLIANCE.

AVAILABILITY: HAZARDOUS MATERIALS PUBLISHING CO., PO BOX 308 - 243 W. MAIN ST., KUTZTOWN, PA 19530

IRIS ACCESSION NUMBER: EW015588

PUBLICATION DATE: 86-88

TITLE: SUPERVISORY MANAGEMENT'S RESPONSIBLITIES FOR OSHA'S "RIGHT-TO-KNOW" COMPLIANCE - PROGRAM NO. 24.

DESCRIPTOR: *CHEMICALS; *HAZARDOUS MATERIALS; AUDIOVISUAL AIDS; INSTRUCTIONAL MATERIALS; *COMPLIANCE; *EMERGENCY RESPONSE; POSTSECONDARY EDUCATION; *MANAGEMENT RESPONSIBILITIES; *OSHA; 35MM SLIDES; TRAINING; VIDEOCASSETTES

DESCRIPTIVE NOTE: AV; 15+ MIN. PRICE: $125.00; 35MM SLIDES & AUDIO CASSETTE OR VHS/BETA VIDEO CASSETTE

ABSTRACT: THIS IS ONE OF A SERIES OF TRAINING PROGRAMS TO DEVELOP SKILLS RELATED TO HAZARDOUS MATERIALS TRANSPORTATION PROBLEMS. THIS PROGRAM, NUMBER 24 IN THE SERIES, HIGHLIGHTS THE SUPERVISORY MANAGER'S RESPONSIBILITIES WHEN ASSIGNING OR SUPERVISING COMPANY PERSONNEL IN THOSE AREAS WHERE HAZARDOUS CHEMICALS ARE IN USE AND CAN RESULT IN EXPOSURE. IT ALSO COVERS THE SUPERVISORY MANAGER'S PROCEDURE IN THE EVENT OF AN INCIDENT.

AVAILABILITY: HAZARDOUS MATERIALS PUBLISHING CO., PO BOX 308 - 243 W. MAIN ST., KUTZTOWN, PA 19530

IRIS ACCESSION NUMBER: EW015589

PUBLICATION DATE: 86-88

TITLE: CLASSIFICATION OF HAZARDOUS CHEMICALS IN THE WORKPLACE - PROGRAM NO. 25.

DESCRIPTOR: *HAZARDOUS MATERIALS; *CLASSIFICATION; *OSHA; *DOT; *MATERIALS IDENTIFICATION; AUDIOVISUAL AIDS; INSTRUCTIONAL MATERIALS; POSTSECONDARY EDUCATION; *REGULATIONS; 35MM SLIDES; TRAINING; VIDEOCASSETTES; *TRANSPORTATION

DESCRIPTIVE NOTE: AV; 15+ MIN. PRICE: $125.00; 35MM SLIDES & AUDIO CASSETTE OR VHS/BETA VIDEO CASSETTE

ABSTRACT: THIS IS ONE OF A SERIES OF TRAINING PROGRAMS TO DEVELOP SKILLS RELATED TO HAZARDOUS MATERIALS TRANSPORTATION PROBLEMS. THIS PROGRAM, NUMBER 25 IN THE SERIES, PROVIDES AN EVALUATION OF THE HAZARD CLASSIFICATIONS UNDER OSHA AND THE INTERFACE BETWEEN OSHA AND DOT. INFORMATION IS ALSO PROVIDED ON HOW TO IDENTIFY AND CLASSIFY HAZARDOUS CHEMICALS IN THE WORKPLACE.

AVAILABILITY: HAZARDOUS MATERIALS PUBLISHING CO., PO BOX 308 - 243 W. MAIN ST., KUTZTOWN, PA 19530

IRIS ACCESSION NUMBER: EW015590

PUBLICATION DATE: 86-88

TITLE: LABELING & MARKING HAZARDOUS CHEMICALS - PROGRAM NO. 26.

DESCRIPTOR: *CHEMICALS; *COMPLIANCE; *HAZARDOUS MATERIALS; AUDIOVISUAL AIDS; *LABELING; *PACKAGING; *OSHA; INSTRUCTIONAL MATERIALS; POSTSECONDARY EDUCATION; *REGULATIONS; 35MM SLIDES; TRAINING; VIDEOCASSETTES; *TRANSPORTATION; *MATERIALS HANDLING

DESCRIPTIVE NOTE: AV; 15+ MIN. PRICE: $125.00; 35MM SLIDES & AUDIO CASSETTE OR VHS/BETA VIDEO CASSETTE

ABSTRACT: THIS IS ONE OF A SERIES OF TRAINING PROGRAMS TO DEVELOP SKILLS RELATED TO HAZARDOUS MATERIALS TRANSPORTATION PROBLEMS. THIS PROGRAM, NUMBER 26 IN THE SERIES, REVIEWS THE CHEMICAL MANUFACTURER, IMPORTER, DISTRIBUTOR AND USER COMPLIANCE REQUIREMENTS FOR LABELING, MARKING AND PACKAGING TO MEET THE OSHA REQUIREMENTS WHEN A CONTAINER OF HAZARDOUS CHEMICALS LEAVES THE MANUFACTURER'S IMPORTER'S OR DISTRIBUTOR'S WORKPLACE AND ARRIVES AT THE USER'S WORKPLACE WHERE THE COMPANY'S PERSONNEL WILL BE EXPOSED TO THAT HAZARDOUS CHEMICAL.

AVAILABILITY: HAZARDOUS MATERIALS PUBLISHING CO., PO BOX 308 - 243 W. MAIN ST., KUTZTOWN, PA 19530

IRIS ACCESSION NUMBER: EW015591

PUBLICATION DATE: 86-88

TITLE: MATERIAL SAFETY DATA SHEETS - PROGRAM NO. 27.

DESCRIPTOR: *CHEMICALS; *HAZARDOUS MATERIALS; *ACCIDENT PREVENTION; *SAFETY; *NIOSH; *OSHA; *GUIDES; AUDIOVISUAL AIDS; INSTRUCTIONAL MATERIALS; POSTSECONDARY EDUCATION; *REGULATIONS; 35MM SLIDES; TRAINING; VIDEOCASSETTES; *TRANSPORTATION

DESCRIPTIVE NOTE: AV; 15+ MIN. PRICE: $125.00; 35MM SLIDES & AUDIO CASSETTE OR VHS/BETA VIDEO CASSETTE

ABSTRACT: THIS IS ONE OF A SERIES OF TRAINING PROGRAMS TO DEVELOP SKILLS RELATED TO HAZARDOUS MATERIALS TRANSPORTATION PROBLEMS. THIS PROGRAM, NUMBER 27 IN THE SERIES, COVERS THE PREPARATION AND USE OF MATERIAL SAFETY DATA SHEETS, THE USE OF THE NIOSH GUIDE TO CHEMICAL HAZARDS, AND THE NON-MANDATORY OSHA MSDS. INFORMATION IS PROVIDED ON HOW TO TAKE PRECAUTIONS TO PROTECT THE WORKER, FELLOW EMPLOYEES, AND THE COMPANY.

AVAILABILITY: HAZARDOUS MATERIALS PUBLISHING CO., PO BOX 308 - 243 W. MAIN ST., KUTZTOWN, PA 19530

IRIS ACCESSION NUMBER: EW015592

PUBLICATION DATE: 87

TITLE: SMALL QUANTITY GENERATOR'S SURVIVAL GUIDE. NO. 58.

DESCRIPTOR: *HAZARDOUS MATERIALS; *HAZARDOUS WASTES; *GUIDES; *COMPLIANCE; *DOT; *WASTE GENERATORS; *WASTES;

*USEPA

DESCRIPTIVE NOTE: 18P. PRICE: $10.00 UPS SHIPPING AND HANDLING: ADD $4.00 PA: ADD 6% SALES TAX

ABSTRACT: SMALL QUANTITY GENERATORS WHO GENERATE BETWEEN 100 AND 1000 KILOGRAMS OF HAZARDOUS WASTE IN ANY GIVEN MONTH ARE NOW SUBJECT TO ALL THE EPA/DOT REGULATIONS FOR HAZARDOUS MATERIALS AND WASTE WITH THE EXCEPTION OF THE RCRA CONTINGENCY PLAN. THIS MANUAL REVIEWS REGULATIONS FOR SMALL QUANTITY GENERATORS WHO FIND THE COMPLEXITIES OF THE FEDERAL LANGUAGE AND REGULATIONS DIFFICULT TO UNDERSTAND AND CONVEY TO COMPANY PERSONNEL.

AVAILABILITY: HAZARDOUS MATERIALS PUBLISHING CO., PO BOX 308 - 243 W. MAIN ST., KUTZTOWN, PA 19530

IRIS ACCESSION NUMBER: EW015593

PUBLICATION DATE: 88

TITLE: 1988/1989 HAZARDOUS MATERIALS, CHEMICALS, SUBSTANCES & WASTE COMPLIANCE GUIDE NO. 64.

DESCRIPTOR: *CHEMICALS; *HAZARDOUS MATERIALS; *COMPLIANCE; *GUIDES; *REGULATIONS; *LABELING; *PACKAGING; *WASTES; *CLASSIFICATION; *EMERGENCY RESPONSE; *TRANSPORTATION

DESCRIPTIVE NOTE: 400+P. PRICE: $18.50 UPS SHIPPING & HANDLING: ADD $4.00 PA: ADD 6% SALES TAX

ABSTRACT: THIS MANUAL PROVIDES A REFERENCE TO CRITICAL REGULATIONS FOR IDENTIFICATION, CLASSIFICATION, PACKAGING, MARKING, LABELING, PLACARDING AND SHIPPING DOCUMENTATION REQUIREMENTS FOR DOT, EPA, AND OSHA. AS A REGULATORY REFERENCE, IT PROVIDES THE CROSS-REFERENCING REGULATIONS THAT REQUIRE COMPLIANCE FOR SHIPPERS, GENERATORS, TRANSPORTERS AND CARRIERS. IN ADDITION, IT ALSO CONTAINS EMERGENCY RESPONSE INFORMATION AND PROPER SAFETY PROCEDURES WHEN ANY PERSON WILL BE EXPOSED TO HAZARDOUS MATERIALS, CHEMICALS, OR WASTE IN ROUTINE OR EMERGENCY SITUATIONS.

AVAILABILITY: HAZARDOUS MATERIALS PUBLISHING CO., PO BOX 308 - 243 W. MAIN ST., KUTZTOWN, PA 19530

IRIS ACCESSION NUMBER: EW015594

PUBLICATION DATE: 87-88

TITLE: NIOSH/OSHA GUIDE TO CHEMICAL HAZARDS NO. 68.

DESCRIPTOR: *CHEMICALS; *HAZARDOUS MATERIALS; *GUIDES; *STATE GUIDES; *REGULATIONS; *STATE REGULATIONS; *WASTES; *WASTE DISPOSAL; *WASTE GENERATORS

DESCRIPTIVE NOTE: 84P. PRICE: $12.50 UPS SHIPPING /HANDLING: ADD $4.00 PA: ADD 6% SALES TAX

ABSTRACT: IN MANY CASES, INDIVIDUAL STATES HAVE ADOPTED OR PROMULGATED HAZARDOUS MATERIALS, CHEMICALS AND WASTE REGULATIONS WHICH MAY BE IDENTICAL TO THE FEDERAL DOT, EPA OR OSHA REGULATIONS OR IN OTHER CASES, MAY BE MORE STRINGENT. THE STATE GUIDE COVERS MANY OF THE VARIABLES BETWEEN INDIVIDUAL STATE AND FEDERAL STANDARDS FOR GENERATORS, TRANSPORTERS AND TSD FACILITIES AND PROVIDES GUIDANCE ON THE MORE STRINGENT REGULATIONS THAT MAY EXIST WHEN A GENERATOR GENERATES WASTE IN ONE STATE BUT DISPOSES OF THAT WASTE IN A DIFFERENT STATE.

AVAILABILITY: HAZARDOUS MATERIALS PUBLISHING CO., PO BOX 308 - 243 W. MAIN ST., KUTZTOWN, PA 19530

IRIS ACCESSION NUMBER: EW015595

PUBLICATION DATE: 88

TITLE: RCRA TRAINING MANUAL NO. 69.

DESCRIPTOR: CHEMICALS; *HAZARDOUS MATERIALS; *INDUSTRIAL WASTES; *RCRA; *TRAINING; *WASTES; *WASTE DISPOSAL

DESCRIPTIVE NOTE: 50P. PRICE: $7.50 UPS SHIPPING AND HANDLING: $4.00 PA: ADD 6% SALES TAX

ABSTRACT: THIS MANUAL WAS DESIGNED AND PRODUCED BY EPA TO PROVIDE GUIDELINES FOR GENERATORS AND TREATMENT, STORAGE AND DISPOSAL FACILITIES IN CARRYING OUT THE MANDATORY INITIAL AND ANNUAL TRAINING REQUIREMENTS OUTLINED IN SECTION 265.16 IN 40CFR.

AVAILABILITY: HAZARDOUS MATERIALS PUBLISHING CO., PO BOX 308 - 243 W. MAIN ST., KUTZTOWN, PA 19530

IRIS ACCESSION NUMBER: EW015596

PUBLICATION DATE: 87

TITLE: DOT EMERGENCY RESPONSE GUIDE NO. 72C.

DESCRIPTOR: *DOT; *EMERGENCY RESPONSE; *GUIDES; *HAZARDOUS MATERIALS; *CHEMICALS; *WASTES

DESCRIPTIVE NOTE: 100P. PRICE: $4.50 UPS SHIPPING/HANDLING: ADD $4.00 PA: ADD 6% SALES TAX

ABSTRACT: THIS GUIDE WAS DEVELOPED BY DOT AND IS CROSS-REFERENCED TO THE DOT IDENTIFICATION NUMBERS. THIS GUIDE IS USED IN THE EVENT OF AN ACCIDENT WHERE SPECIFIC INFORMATION IS REQUIRED TO DEAL WITH THE CHARACTERISTICS OF HAZARDOUS MATERIALS, CHEMICALS AND WASTE.

AVAILABILITY: HAZARDOUS MATERIALS PUBLISHING CO., PO BOX 308 - 243 W. MAIN ST., KUTZTOWN, PA 19530

IRIS ACCESSION NUMBER: EW015603

PUBLICATION DATE: 88

TITLE: HANDBOOK ON TOXICITY OF INORGANIC COMPOUNDS.

PERSONAL AUTHOR: SEILER, H., ED.; SIGEL, H., ED.

DESCRIPTOR: ANTIDOTES; *CHEMICALS; ANALYTICAL CHEMISTRY; *HANDBOOKS; *INORGANIC COMPOUNDS; PHYSIOLOGY; TECHNOLOGY; *TOXIC SUBSTANCES; *TOXICITY

DESCRIPTIVE NOTE: 1093P. PRICE: $195.00 SHIPPING/HANDLING: $2.00/BOOK IL RES.: ADD 7% SALES TAX

ABSTRACT: THIS PUBLICATION PROVIDES INFORMATION ON (1) TECHNOLOGICAL USES, (2) PHYSIOLOGY, (3) REMOVAL PROCESSES AND ANTIDOTES, (4) LEVELS OF TOLERANCE, (5) ECOTOXICITY, AND (6) ANALYTICAL CHEMISTRY. ELEMENTS UP TO ATOMIC NUMBER 103 ARE INCLUDED.

AVAILABILITY: COLE-PARMER INSTRUMENT CO., 7425 N. OAK PARK AVE., CHICAGO, IL 60648

IRIS ACCESSION NUMBER: EW015605

PUBLICATION DATE: 86

TITLE: MAKING THE SWITCH: ALTERNATIVES TO USING TOXIC CHEMICALS IN THE HOME.

DESCRIPTOR: *CHEMICALS; *CONSUMER PRODUCTS; *LABELING; *SAFETY; *WASTE DISPOSAL; *PUBLIC HEALTH; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 40P. $5.00

ABSTRACT: THIS PUBLICATION DISCUSSES SAFER USE OF CONSUMER PRODUCTS THAT CONTAIN TOXIC CHEMICALS AND PROBLEMS ASSOCIATED WITH INADEQUATE LABELING AND INDISCRIMINATE DISPSOAL PRACTICES. SUGGESTS A NUMBER OF SAFER ALTERNATIVES TO USING HOUSEHOLD PRODUCTS THAT CONTAIN TOXIC SUBSTANCES.

AVAILABILITY: LOCAL GOVERNMENT COMMISSION, INC., 909-12TH ST., SUITE 203, SACRAMENTO, CA 95814, ATTN: PUBLICATIONS DEPARTMENT

IRIS ACCESSION NUMBER: EW015606

PUBLICATION DATE: 87

TITLE: ALTERNATIVES TO LANDFILLING HOUSEHOLD TOXICS.

DESCRIPTOR: *CHEMICALS; *ALTERNATIVE TECHNOLOGY; *PUBLIC HEALTH; *HOUSEHOLD WASTES; *TOXIC SUBSTANCES; *WASTE DISPOSAL; *POLLUTION CONTROL; *WASTE COLLECTION; *PROGRAM DESCRIPTIONS

DESCRIPTIVE NOTE: 399P. PRICE: $18.50 CORPORATIONS/BUSINESSES: $28.50

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ABSTRACT: THIS REPORT HIGHLIGHTS DISPOSAL OPTIONS (OTHER THAN LABPACK AND LANDFILL) USED BY COMMUNITIES ACROSS THE COUNTRY WHO IMPLEMENTED COLLECTION PROGRAMS. IT INCLUDES SECTIONS ON LIABILITY PROGRAM FINANCING, HANDLING OF UNKNOWNS AND CATEGORIZING WASTES.

AVAILABILITY: LOCAL GOVERNMENT COMMISSION, INC., 909-12TH ST., SUITE 203, SACRAMENTO, CA 95814, ATTN: PUBLICATIONS DEPARTMENT

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*DRIVER RESPONSIBILITIES	(3)	EW015568 EW015569 EW015581
*DRUGS	(1)	EW015446
ECOLOGICAL FACTORS	(1)	EW015516

*ECOLOGY	(1)	EW015514
*ECONOMICS	(10)	EW015426 EW015483 EW015486 EW015487 EW015502 EW015520 EW015522 EW015524 EW015540 EW015542
*EFFLUENT	(3)	EW015428 EW015490 EW015547
*EFFLUENT STANDARDS	(1)	EW015428
*ELASTOL	(1)	EW015508
*ELEMENTARY EDUCATION	(1)	EW015501
*EMERGENCY CLEANUP	(1)	EW015508
*EMERGENCY RESPONSE	(4)	EW015585 EW015588 EW015593 EW015596
*EMERGENCY SHUTDOWN	(1)	EW015482
EMISSION RATES	(1)	EW015485
*EMISSIONS	(3)	EW015485 EW015511 EW015577
*ENERGY	(3)	EW015462 EW015465 EW015542
*ENERGY CONSERVATION	(1)	EW015461
*ENERGY SOURCES	(1)	EW015475
*ENERGY USE	(1)	EW015475
*ENGINEERING	(3)	EW015440 EW015543 EW015546
*ENVIRONMENT	(9)	EW015451 EW015458 EW015460 EW015461 EW015462 EW015463 EW015465 EW015542 EW015546
*ENVIRONMENTAL AUDITS	(2)	EW015479 EW015481
*ENVIRONMENTAL CONTROLS	(1)	EW015425
*ENVIRONMENTAL EDUCATION	(2)	EW015501 EW015516
*ENVIRONMENTAL IMPACT	(1)	EW015464
*ENVIRONMENTAL IMPACTS	(1)	EW015514
ENVIRONMENTAL LAWS	(1)	EW015543
*ENVIRONMENTAL PROBLEMS	(1)	EW015479
*EQUIPMENT	(8)	EW015434 EW015438 EW015446 EW015477 EW015486 EW015487 EW015541 EW015545
*EUROPE	(1)	EW015502
*EXAMINER MANUALS	(2)	EW015298 EW015299
*FACILITIES	(8)	EW015421 EW015447 EW015452 EW015474 EW015481 EW015483 EW015487 EW015509
*FARMS	(1)	EW015441
*FEDERAL ROLE	(1)	EW015511

FERTILIZER	(1)	EW015374
*FILTRATION	(1)	EW015510
*FINANCIAL ASSISTANCE	(1)	EW015314
*FINANCIAL PLANNING	(1)	EW015314
*FISH WASTES	(1)	EW015488
*FITTINGS	(1)	EW015469
*FLOODS	(1)	EW015440
*FLORIDA	(1)	EW015483
*FLOW MEASUREMENT	(1)	EW015498
*FLOW SHEETS	(1)	EW015541
*FLUID FLOW	(1)	EW015498
*FLUIDIZED BIOFILM REACTORS	(1)	EW015504
*FOOD PRODUCTION	(1)	EW015542
*FORECASTING	(1)	EW015440
*FORESTS	(1)	EW015524
*GARBAGE	(1)	EW015502
*GREAT LAKES	(1)	EW015539
*GROUNDWATER	(12)	EW015420 EW015427 EW015433 EW015440 EW015460 EW015461 EW015493 EW015494 EW015495 EW015496 EW015507 EW015540
*GROUNDWATER PROTECTION	(1)	EW015460
*GUIDELINES	(1)	EW015569
*GUIDES	(6)	EW015314 EW015591 EW015592 EW015593 EW015594 EW015596
*HALIDES	(1)	EW015430
*HANDBOOKS	(7)	EW015440 EW015441 EW015452 EW015466 EW015467 EW015545 EW015603
*HARD WATER	(1)	EW015419
*HAZARDOUS MATERIALS	(42)	EW015443 EW015444 EW015450 EW015454 EW015455 EW015456 EW015459 EW015464 EW015479 EW015485 EW015513 EW015564 EW015565 EW015566 EW015567 EW015568 EW015569 EW015570 EW015571 EW015572 EW015574 EW015575 EW015576 EW015577 EW015578 EW015579 EW015580 EW015581 EW015582 EW015583 EW015584 EW015585 EW015587 EW015588 EW015589 EW015590 EW015591 EW015592 EW015593 EW015594 EW015595 EW015596
HAZARDOUS MATERIALS	(2)	EW015516 EW015543
*HAZARDOUS WASTES	(11)	EW015422 EW015424 EW015425 EW015450 EW015459 EW015461 EW015478 EW015499 EW015542 EW015543 EW015592
HAZARDOUS WASTES	(1)	EW015482
*HAZARDOUS WASTE SITES	(1)	EW015499

*HAZARDS	(1)	EW015445
*HEALTH	(2)	EW015542 EW015547
*HEALTH EFFECTS	(1)	EW015499
*HEATS OF COMBUSTION	(1)	EW015497
*HIGHWAY SAFETY	(1)	EW015462
*HIGHWAY TRANSPORTATION	(4)	EW015567 EW015568 EW015570 EW015581
*HOMES	(1)	EW015441
*HOME TREATMENT	(1)	EW015419
*HOUSEHOLD WASTES	(2)	EW015422 EW015606
*HUMAN TOXICOLOGY	(1)	EW015446
*HYDROLOGY	(1)	EW015440
*IATA	(1)	EW015584
*ICAO	(1)	EW015584
*IDAHO	(1)	EW015493
*IMMOBILIZED BACTERIAL SYSTEMS	(1)	EW015480
*INCINERATORS	(1)	EW015482
*INDOOR POLLUTION	(1)	EW015462
*INDUSTRIAL POLLUTION	(1)	EW015465
*INDUSTRIAL TREATMENT	(1)	EW015545
*INDUSTRIAL WASTES	(8)	EW015373 EW015430 EW015431 EW015485 EW015488 EW015489 EW015504 EW015595
*INDUSTRIAL WASTEWATER	(1)	EW015504
*INHIBITION	(1)	EW015506
*INNOVATIVE TECHNOLOGY	(1)	EW015448
*INORGANIC COMPOUNDS	(1)	EW015603
*INSPECTION	(1)	EW015481
*INSTALLATION	(1)	EW015466
*INSTRUCTIONAL MATERIALS	(6)	EW015437 EW015454 EW015455 EW015456 EW015498 EW015501
INSTRUCTIONAL MATERIALS	(27)	EW015564 EW015565 EW015566 EW015567 EW015568 EW015569 EW015570 EW015571 EW015572 EW015573 EW015574 EW015575 EW015576 EW015577 EW015578 EW015579 EW015580 EW015581 EW015582 EW015583 EW015584 EW015585 EW015587 EW015588 EW015589 EW015590 EW015591
*INSTRUMENTATION	(1)	EW015498
*IN-VESSEL SLUDGE COMPOSTING	(1)	EW015487

*IN-WELL AERATION	(1)	EW015472
*IRRIGATION	(5)	EW015490 EW015494 EW015495 EW015496 EW015547
*ISSUES	(1)	EW015514
*JOINT RESTRAINT DEVICES	(1)	EW015468
*KRAFT MILLS	(1)	EW015430
*LABELING	(4)	EW015566 EW015590 EW015593 EW015605
*LABELS	(6)	EW015571 EW015572 EW015573 EW015578 EW015579 EW015580
*LABORATORY DESIGN	(1)	EW015452
*LABORATORY EQUIPMENT	(1)	EW015452
*LABORATORY PROCEDURES	(3)	EW015439 EW015445 EW015446
*LABORATORY SAFETY	(1)	EW015445
*LAGOONS	(1)	EW015543
*LAKES	(1)	EW015539
LAKES	(1)	EW015374
*LAKE WEEDS	(1)	EW015374
*LAND APPLICATION	(1)	EW015524
*LANDFILLS	(1)	EW015543
*LAND USE	(2)	EW015462 EW015542
*LEAKS	(1)	EW015576
*LEAVES	(1)	EW015521
*LEGISLATION	(4)	EW015463 EW015464 EW015465 EW015511
*LIABILITIES	(1)	EW015577
*LIABILITY	(4)	EW015479 EW015481 EW015564 EW015565
*MAINTENANCE	(3)	EW015434 EW015477 EW015544
*MANAGEMENT	(13)	EW015434 EW015435 EW015458 EW015459 EW015460 EW015461 EW015478 EW015493 EW015496 EW015538 EW015539 EW015540 EW015564
*MANAGEMENT RESPONSIBILITIES	(1)	EW015588
*MARKETING	(3)	EW015371 EW015487 EW015520
*MARYLAND	(1)	EW015476
*MASSACHUSETTS	(1)	EW015374
*MATERIAL CARRIERS	(1)	EW015584
*MATERIALS	(1)	EW015438
*MATERIALS HANDLING	(6)	EW015444 EW015456 EW015569 EW015572 EW015576 EW015590

MATERIALS HANDLING	(1)	EW015437
*MATERIALS IDENTIFICATION	(1)	EW015589
*MEAN CELL RESIDENCE TIME	(1)	EW015431
*MEASUREMENT	(1)	EW015439
*MICHIGAN	(1)	EW015524
*MICROORGANISMS	(2)	EW015372 EW015506
*MIDDLE EAST	(1)	EW015549
*MINNESOTA	(1)	EW015486
*MONITORING	(3)	EW015428 EW015439 EW015499
*MUNICIPAL TREATMENT	(1)	EW015545
*MUNICIPAL WASTES	(1)	EW015497
*NATURAL WETLANDS	(1)	EW015474
*NEEDS ASSESSMENT	(1)	EW015435
*NEW YORK	(1)	EW015487
*NIOSH	(1)	EW015591
*NITRATES	(1)	EW015507
*NITROGEN	(1)	EW015505
*NONPOINT POLLUTION	(2)	EW015426 EW015540
*NON-POINT SOURCE POLLUTION	(2)	EW015494 EW015495
NON-POINT SOURCE POLLUTION	(1)	EW015496
*NORTH DAKOTA	(1)	EW015419
*OCCUPATIONAL SAFETY	(1)	EW015437
*ODOR CONTROL	(2)	EW015421 EW015487
*OIL SPILLS	(1)	EW015508
*ONSITE WASTEWATER TREATMENT	(1)	EW015492
*OPERATIONS (WASTEWATER)	(24)	EW015421 EW015429 EW015430 EW015431 EW015448 EW015452 EW015473 EW015474 EW015475 EW015476 EW015477 EW015484 EW015487 EW015490 EW015503 EW015504 EW015505 EW015510 EW015516 EW015541 EW015545 EW015547 EW015548 EW015549
*OPERATIONS (WATER)	(12)	EW015420 EW015434 EW015435 EW015436 EW015439 EW015441 EW015448 EW015452 EW015472 EW015507 EW015516 EW015545
OPERATIONS (WATER)	(1)	EW015437
*OPERATOR TRAINING	(2)	EW015298 EW015299
*ORGANIC CARBON	(1)	EW015480

*ORGANIC COMPOUNDS	(1)	EW015472						
ORGANIC COMPOUNDS	(1)	EW015485						
*ORGANIC WASTES	(2)	EW015373	EW015484					
*OSHA	(8)	EW015578	EW015580	EW015583	EW015587	EW015588	EW015589	EW015590
	EW015591							
*PACKAGING	(7)	EW015571	EW015572	EW015575	EW015576	EW015578	EW015590	EW015593
*PAPER INDUSTRY	(1)	EW015430						
*PATHOGENS	(1)	EW015372						
*PCBS	(1)	EW015572						
*PENNSYLVANIA	(1)	EW015491						
*PERFORMANCE EVALUATION	(18)	EW015369	EW015421	EW015422	EW015427	EW015429	EW015431	EW015473
	EW015475	EW015476	EW015477	EW015480	EW015484	EW015487	EW015489	EW015503
	EW015504	EW015505	EW015523					
*PERFORMANCE SPECIFICATIONS	(1)	EW015468						
*PERFORMANCE STANDARDS	(1)	EW015469						
*PERFORMANCE TESTS	(2)	EW015298	EW015299					
*PERSONNEL SELECTION	(1)	EW015585						
*PESTICIDES	(2)	EW015462	EW015464					
PESTICIDES	(1)	EW015516						
*PHOSPHORUS	(1)	EW015505						
PHYSIOLOGY	(1)	EW015603						
*PILOT STUDIES	(4)	EW015480	EW015484	EW015503	EW015505			
*PIPE JOINTS	(1)	EW015466						
*PIPES	(5)	EW015437	EW015466	EW015467	EW015468	EW015469		
*PLACARDING	(2)	EW015567	EW015582					
*PLANNING	(7)	EW015314	EW015426	EW015433	EW015435	EW015443	EW015462	EW015522
*POISONS	(1)	EW015446						
POISONS	(1)	EW015516						
*POLICIES	(7)	EW015433	EW015463	EW015464	EW015465	EW015474	EW015509	EW015540
*POLLUTION	(1)	EW015542						
*POLLUTION CONTROL	(19)	EW015422	EW015424	EW015425	EW015426	EW015450	EW015458	EW015459
	EW015462	EW015464	EW015465	EW015488	EW015499	EW015511	EW015539	EW015540
	EW015542	EW015543	EW015549	EW015606				
*POSTSECONDARY EDUCATION	(1)	EW015498						
POSTSECONDARY EDUCATION	(27)	EW015564	EW015565	EW015566	EW015567	EW015568	EW015569	EW015570

	EW015571 EW015572 EW015573 EW015574 EW015575 EW015576 EW015577 EW015578 EW015579 EW015580 EW015581 EW015582 EW015583 EW015584 EW015585 EW015587 EW015588 EW015589 EW015590 EW015591	
*POULTRY INDUSTRY	(1)	EW015489
*POWDERED ACTIVATED CARBON	(1)	EW015429
*PRETREATMENT	(2)	EW015484 EW015504
*PROCESS CONTROL	(1)	EW015431
*PROCESS CONTROLS	(1)	EW015498
*PROCESS TECHNOLOGY	(1)	EW015448
*PROGRAM DESCRIPTIONS	(4)	EW015368 EW015369 EW015422 EW015606
*PROGRAMMABLE LOGIC CONTROLLERS	(1)	EW015482
*PUBLIC HEALTH	(12)	EW015419 EW015420 EW015422 EW015424 EW015443 EW015451 EW015464 EW015499 EW015514 EW015549 EW015605 EW015606
*PUMP STATIONS	(1)	EW015483
*PVC PIPES	(4)	EW015466 EW015467 EW015468 EW015469
*RAIL TRANSPORTATION	(1)	EW015567
*RCRA	(3)	EW015450 EW015585 EW015595
*REACTIVE CHEMICALS	(1)	EW015444
*REAL ESTATE	(1)	EW015479
*RECOMBINANT DNA	(1)	EW015514
*RECORDKEEPING	(2)	EW015434 EW015544
*RECYCLING	(7)	EW015368 EW015371 EW015423 EW015461 EW015486 EW015489 EW015522
RECYCLING	(1)	EW015520
*RECYCLING PROGRAMS	(3)	EW015368 EW015369 EW015370
*REFERENCE MATERIALS	(2)	EW015497 EW015498
*REFERENCES	(1)	EW015548
*REGULATIONS	(40)	EW015424 EW015426 EW015436 EW015445 EW015450 EW015451 EW015454 EW015474 EW015493 EW015494 EW015495 EW015509 EW015564 EW015565 EW015566 EW015567 EW015568 EW015569 EW015570 EW015571 EW015572 EW015573 EW015574 EW015575 EW015576 EW015577 EW015578 EW015579 EW015580 EW015581 EW015582 EW015583 EW015584 EW015585 EW015587 EW015589 EW015590 EW015591 EW015593 EW015594
*REPUMP STATIONS	(1)	EW015483
*RESEARCH REPORTS	(4)	EW015430 EW015488 EW015494 EW015495
*RESEARCH REVIEWS	(1)	EW015499

*RESEEDING	(1)	EW015491
*RESIDUAL CHLORINE	(1)	EW015439
*RESOURCE RECOVERY	(11)	EW015368 EW015369 EW015370 EW015371 EW015373 EW015489 EW015490 EW015502 EW015520 EW015524 EW015547
RESOURCE RECOVERY	(1)	EW015374
RESPIRATION	(1)	EW015506
*RIGHT-TO-KNOW	(1)	EW015587
*RISK ASSESSMENT	(4)	EW015443 EW015451 EW015499 EW015514
*RIVER FLOW	(1)	EW015546
*RIVERS	(1)	EW015546
*RIVER SEDIMENTATION	(1)	EW015546
*SAFE DRINKING WATER ACT	(1)	EW015436
*SAFETY	(13)	EW015437 EW015443 EW015444 EW015445 EW015454 EW015455 EW015456 EW015462 EW015482 EW015513 EW015570 EW015591 EW015605
*SAFETY TESTS	(1)	EW015482
*SAMPLING	(1)	EW015428
*SCIENCE EDUCATION	(1)	EW015501
SCIENTIFIC AND TECHNICAL INFORMATION	(1)	EW015516
*SECONDARY EDUCATION	(1)	EW015501
*SECONDARY EFFLUENT	(1)	EW015490
*SECONDARY TREATMENT	(1)	EW015505
*SEDIMENT TRANSPORT	(1)	EW015546
*SEPTIC SYSTEMS	(1)	EW015492
*SEWAGE MANAGEMENT	(1)	EW015493
*SEWAGE SLUDGE	(2)	EW015491 EW015523
*SEWER PIPES	(1)	EW015466
*SEWERS	(1)	EW015466
*SHIPPER RESPONSIBILITIES	(3)	EW015564 EW015565 EW015569
*SHIPPING	(1)	EW015573
*SHIPPING PAPERS	(1)	EW015565
*SIMULATIONS	(1)	EW015314
*SITE ANALYSIS	(1)	EW015427
*SITE ASSESSMENT	(1)	EW015481

*SITE REMEDIATION	(1)	EW015543
*SLUDGE	(4)	EW015372 EW015487 EW015523 EW015524
SLUDGE	(1)	EW015371
*SLUDGE COMPOST	(1)	EW015371
*SLUDGE DISPOSAL	(1)	EW015487
*SOCIAL ISSUES	(1)	EW015542
*SODIUM	(1)	EW015419
*SODIUM CHLOROACETATE	(1)	EW015480
*SOIL AMENDMENTS	(1)	EW015491
*SOIL CONSERVATION	(2)	EW015461 EW015491
*SOLIDIFICATION PROCESSES	(1)	EW015424
*SOLID WASTES	(13)	EW015368 EW015369 EW015370 EW015373 EW015374 EW015421 EW015423 EW015458 EW015461 EW015486 EW015502 EW015520 EW015521
SOLID WASTES	(1)	EW015516
*SOURCE POLLUTION	(2)	EW015494 EW015495
SOURCE POLLUTION	(1)	EW015496
*SPILLS	(1)	EW015577
*STANDARDS	(1)	EW015438
*STATE GUIDES	(1)	EW015594
*STATE PROGRAMS	(8)	EW015458 EW015459 EW015460 EW015461 EW015462 EW015463 EW015464 EW015465
*STATE REGULATIONS	(1)	EW015594
*STATE REVOLVING FUNDS	(1)	EW015314
*STATE ROLE	(1)	EW015511
*STATUS REPORTS	(1)	EW015542
*STORAGE	(7)	EW015571 EW015574 EW015576 EW015578 EW015579 EW015580 EW015585
*STORMWATER MANAGEMENT	(1)	EW015540
*STRAW	(1)	EW015523
*SUPERFUND	(1)	EW015450
*SURFACE WATER	(6)	EW015420 EW015462 EW015494 EW015495 EW015496 EW015540
SURFACE WATER	(1)	EW015463
*SUSPENDED SOLIDS	(1)	EW015431
*TAPPING GUIDES	(1)	EW015467

*TECHNOLOGIES	(1)	EW015425
*TECHNOLOGY	(11)	EW015421 EW015427 EW015438 EW015441 EW015448 EW015473 EW015475 EW015478 EW015502 EW015511 EW015521
TECHNOLOGY	(1)	EW015603
*TESTING	(2)	EW015298 EW015299
*TESTS	(2)	EW015298 EW015299
*THERMAL TREATMENT	(2)	EW015425 EW015478
*THERMODYNAMIC PROPERTIES	(1)	EW015497
*TITANIUM OXIDE	(1)	EW015473
*TOXICITY	(1)	EW015603
*TOXICITY CONTROL	(1)	EW015476
*TOXICOLOGY	(2)	EW015446 EW015451
*TOXIC SUBSTANCES	(16)	EW015444 EW015445 EW015446 EW015451 EW015456 EW015473 EW015476 EW015479 EW015485 EW015494 EW015495 EW015506 EW015513 EW015603 EW015605 EW015606
*TRAINING	(5)	EW015454 EW015455 EW015456 EW015584 EW015595
TRAINING	(23)	EW015564 EW015565 EW015566 EW015567 EW015569 EW015570 EW015571 EW015573 EW015574 EW015575 EW015576 EW015577 EW015578 EW015579 EW015580 EW015582 EW015583 EW015585 EW015587 EW015588 EW015589 EW015590 EW015591
*TRANSPORTATION	(25)	EW015564 EW015565 EW015566 EW015567 EW015568 EW015569 EW015570 EW015571 EW015572 EW015573 EW015574 EW015575 EW015576 EW015578 EW015579 EW015580 EW015581 EW015582 EW015583 EW015584 EW015585 EW015589 EW015590 EW015591 EW015593
*TRICKLING FILTERS	(1)	EW015503
*TSCA	(1)	EW015450
*ULTRAVIOLET LIGHT	(1)	EW015473
*UNITED KINGDOM	(1)	EW015445
*UNITED NATIONS	(1)	EW015542
*UNITED STATES	(1)	EW015445
*UNIT PROCESSES	(3)	EW015503 EW015510 EW015541
*USEPA	(19)	EW015424 EW015474 EW015509 EW015570 EW015571 EW015572 EW015573 EW015574 EW015575 EW015576 EW015577 EW015578 EW015579 EW015580 EW015581 EW015582 EW015583 EW015585 EW015592
USEPA	(2)	EW015566 EW015584
UTILITIES	(1)	EW015516
*VALVES	(1)	EW015434
VIDEOCASSETES	(2)	EW015565 EW015584

*VIDEOCASSETTES	(3)	EW015454 EW015455 EW015456
VIDEOCASSETTES	(25)	EW015564 EW015566 EW015567 EW015568 EW015569 EW015570 EW015571 EW015572 EW015573 EW015574 EW015575 EW015576 EW015577 EW015578 EW015579 EW015580 EW015581 EW015582 EW015583 EW015585 EW015587 EW015588 EW015589 EW015590 EW015591
*VIRGINIA	(1)	EW015371
*VIRGINIA INITIATIVE PLANT PROCESS	(1)	EW015505
*VOLATILE ORGANIC COMPOUNDS	(2)	EW015472 EW015485
*WASTE CHARACTERISTICS	(1)	EW015497
*WASTE COLLECTION	(9)	EW015368 EW015369 EW015370 EW015422 EW015423 EW015486 EW015520 EW015521 EW015606
*WASTE DISPOSAL	(25)	EW015368 EW015369 EW015371 EW015373 EW015374 EW015421 EW015422 EW015424 EW015458 EW015459 EW015488 EW015489 EW015490 EW015491 EW015497 EW015499 EW015502 EW015520 EW015521 EW015523 EW015524 EW015594 EW015595 EW015605 EW015606
WASTE DISPOSAL	(2)	EW015516 EW015543
*WASTE DUMPS	(1)	EW015543
*WASTE GENERATORS	(2)	EW015592 EW015594
*WASTE MANAGEMENT	(4)	EW015520 EW015521 EW015522 EW015523
*WASTE PROCESSING	(2)	EW015370 EW015486
*WASTE REDUCTION	(10)	EW015368 EW015369 EW015371 EW015373 EW015374 EW015423 EW015458 EW015459 EW015502 EW015520
*WASTES	(24)	EW015566 EW015567 EW015568 EW015570 EW015571 EW015572 EW015573 EW015574 EW015575 EW015576 EW015577 EW015578 EW015579 EW015580 EW015581 EW015582 EW015583 EW015584 EW015585 EW015592 EW015593 EW015594 EW015595 EW015596
*WASTE SITES	(1)	EW015499
*WASTE SOLIDIFIERS	(1)	EW015424
*WASTE TREATMENT	(5)	EW015421 EW015424 EW015425 EW015478 EW015480
*WASTEWATER	(2)	EW015490 EW015516
*WASTEWATER COLLECTION	(1)	EW015466
*WASTEWATER DISPOSAL	(1)	EW015493
*WASTEWATER TREATMENT	(32)	EW015298 EW015314 EW015372 EW015428 EW015429 EW015430 EW015431 EW015447 EW015448 EW015473 EW015474 EW015475 EW015476 EW015477 EW015478 EW015480 EW015484 EW015487 EW015490 EW015492 EW015503 EW015504 EW015505 EW015506 EW015509 EW015510 EW015516 EW015541 EW015545 EW015547 EW015548 EW015549
WASTEWATER TREATMENT	(1)	EW015371
*WASTEWATER TREATMENT TECHNICIANS	(1)	EW015298
*WATER	(1)	EW015451

*WATER CONSERVATION	(1)	EW015501
*WATER DEMAND	(1)	EW015435
*WATER DISTRIBUTION	(7)	EW015420 EW015434 EW015435 EW015438 EW015467 EW015483 EW015544
WATER DISTRIBUTION	(1)	EW015437
*WATER NEEDS	(1)	EW015538
*WATER PIPES	(3)	EW015467 EW015468 EW015469
*WATER POLLUTION	(2)	EW015419 EW015516
*WATER POLLUTION CONTROL	(16)	EW015426 EW015427 EW015433 EW015436 EW015460 EW015461 EW015462 EW015463 EW015476 EW015492 EW015493 EW015494 EW015495 EW015508 EW015510 EW015549
*WATER QUALITY	(22)	EW015420 EW015426 EW015427 EW015428 EW015433 EW015436 EW015441 EW015463 EW015476 EW015492 EW015493 EW015494 EW015495 EW015496 EW015501 EW015503 EW015504 EW015507 EW015516 EW015538 EW015539 EW015542
*WATER RESOURCES	(6)	EW015420 EW015433 EW015435 EW015501 EW015538 EW015539
WATER RESOURCES	(1)	EW015516
*WATER REUSE	(1)	EW015547
*WATER SOFTENERS	(1)	EW015419
*WATER SUPPLY	(14)	EW015420 EW015435 EW015438 EW015441 EW015467 EW015483 EW015494 EW015495 EW015496 EW015501 EW015507 EW015538 EW015539 EW015544
*WATER SYSTEMS	(1)	EW015435
*WATER TREATMENT	(15)	EW015299 EW015419 EW015420 EW015427 EW015435 EW015436 EW015438 EW015439 EW015441 EW015448 EW015472 EW015501 EW015507 EW015516 EW015545
*WATER TREATMENT TECHNICIANS	(1)	EW015299
*WATER USE	(2)	EW015501 EW015538
*WATERWORKS	(1)	EW015438
*WEEDS	(1)	EW015374
*WELLS	(1)	EW015472
*WET AIR REGENERATION	(1)	EW015429
*WETLANDS	(1)	EW015474
*WINDROW COMPOSTING	(1)	EW015488
*YARD WASTES	(1)	EW015423
35 MM SLIDES	(2)	EW015567 EW015571
35MM SLIDES	(25)	EW015564 EW015565 EW015566 EW015568 EW015569 EW015570 EW015572 EW015573 EW015574 EW015575 EW015576 EW015577 EW015578 EW015579 EW015580 EW015581 EW015582 EW015583 EW015584 EW015585 EW015587 EW015588 EW015589 EW015590 EW015591